

=> d his

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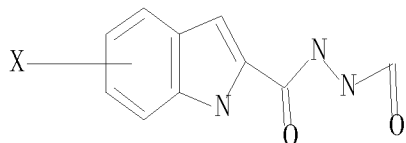
L1 STRUCTURE UPLOADED

L2 14 S L1

L3 316 S L1 FULL

=> d que 13 stat

L1 STR



Structure attributes must be viewed using STN Express query preparation.

L3 316 SEA FILE=REGISTRY SSS FUL L1

100.0% PROCESSED 4623 ITERATIONS

316 ANSWERS

SEARCH TIME: 00.00.01

=> s 13 and py<3/8/2005

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=> s 13 and ed<3/8/2005

82066455 ED<3/8/2005

(ED<20050308)

L4 207 L3 AND ED<3/8/2005

=> s 14 and caplus/lc

69607686 CAPLUS/LC

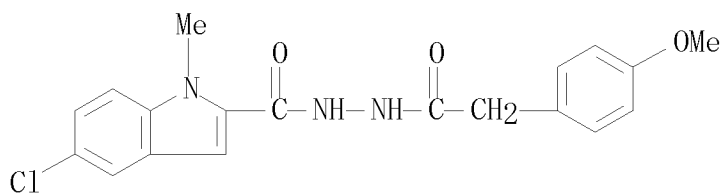
L5 182 L4 AND CAPLUS/LC

=> s 14 not 15

L6 25 L4 NOT L5

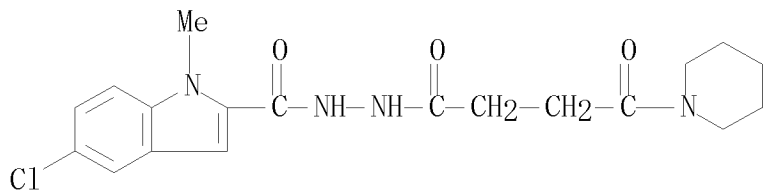
=> d 1-25 ide can

L6 ANSWER 1 OF 25 REGISTRY COPYRIGHT 2009 ACS on STN  
RN 827583-06-2 REGISTRY  
ED Entered STN: 09 Feb 2005  
CN 1H-Indole-2-carboxylic acid, 5-chloro-1-methyl-,  
2-[2-(4-methoxyphenyl)acetyl]hydrazide (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN 1H-Indole-2-carboxylic acid, 5-chloro-1-methyl-,  
2-[(4-methoxyphenyl)acetyl]hydrazide (9CI)  
MF C19 H18 Cl N3 O3  
SR Chemical Library



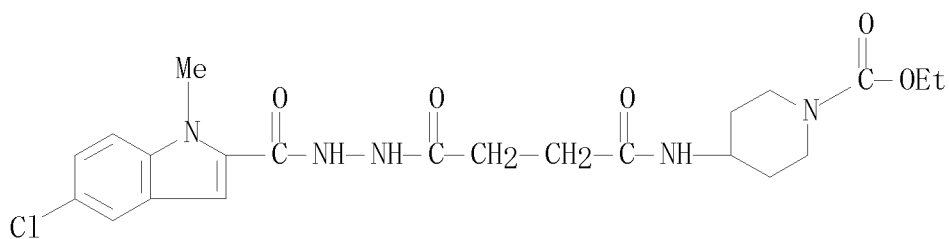
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L6 ANSWER 2 OF 25 REGISTRY COPYRIGHT 2009 ACS on STN  
RN 764713-26-0 REGISTRY  
ED Entered STN: 18 Oct 2004  
CN 1H-Indole-2-carboxylic acid, 5-chloro-1-methyl-,  
2-[1,4-dioxo-4-(1-piperidiny1)butyl]hydrazide (CA INDEX NAME)  
MF C19 H23 Cl N4 O3  
SR Chemical Library  
Supplier: Vitas-M  
LC STN Files: CHEMCATS



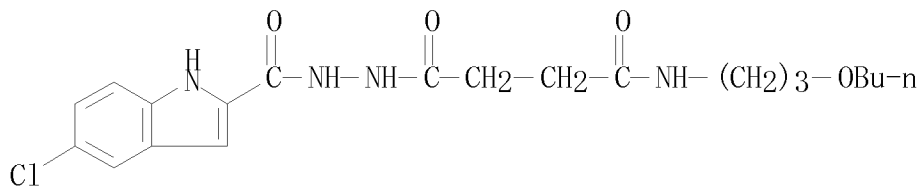
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L6 ANSWER 3 OF 25 REGISTRY COPYRIGHT 2009 ACS on STN  
RN 764713-25-9 REGISTRY  
ED Entered STN: 18 Oct 2004  
CN 1H-Indole-2-carboxylic acid, 5-chloro-1-methyl-,  
2-[4-[[1-(ethoxycarbonyl)-4-piperidiny]amino]-1,4-dioxobutyl]hydrazide  
(CA INDEX NAME)  
MF C22 H28 Cl N5 O5  
SR Chemical Library  
Supplier: Vitas-M  
LC STN Files: CHEMCATS



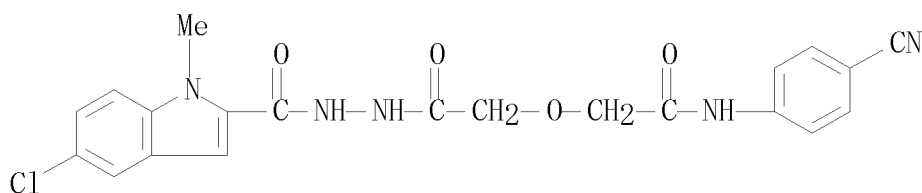
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L6 ANSWER 4 OF 25 REGISTRY COPYRIGHT 2009 ACS on STN  
RN 757196-57-9 REGISTRY  
ED Entered STN: 06 Oct 2004  
CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-[4-[(3-butoxypropyl)amino]-1,4-dioxobutyl]hydrazide (CA INDEX NAME)  
MF C20 H27 Cl N4 O4  
SR Chemical Library  
Supplier: Vitas-M  
LC STN Files: CHEMCATS



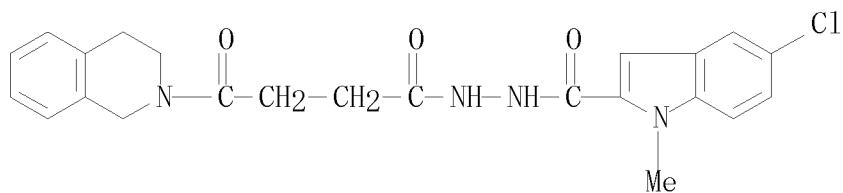
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L6 ANSWER 5 OF 25 REGISTRY COPYRIGHT 2009 ACS on STN  
RN 757195-63-4 REGISTRY  
ED Entered STN: 06 Oct 2004  
CN 1H-Indole-2-carboxylic acid, 5-chloro-1-methyl-,  
2-[2-[2-[(4-cyanophenyl)amino]-2-oxoethoxy]acetyl]hydrazide (CA INDEX  
NAME)  
OTHER CA INDEX NAMES:  
CN 1H-Indole-2-carboxylic acid, 5-chloro-1-methyl-,  
2-[[2-[(4-cyanophenyl)amino]-2-oxoethoxy]acetyl]hydrazide (9CI)  
MF C21 H18 Cl N5 O4  
SR Chemical Library  
Supplier: Vitas-M  
LC STN Files: CHEMCATS



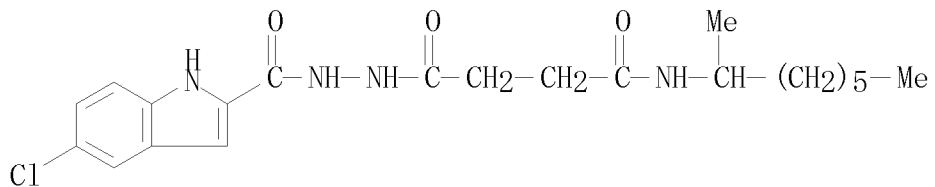
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RN 756125-00-5 REGISTRY  
ED Entered STN: 03 Oct 2004  
CN 2(1H)-Isoquinolinebutanoic acid, 3,4-dihydro- $\gamma$ -oxo-,  
2-[(5-chloro-1-methyl-1H-indol-2-yl)carbonyl]hydrazide (CA INDEX NAME)  
MF C23 H23 Cl N4 O3  
SR Chemical Library  
Supplier: Vitas-M  
LC STN Files: CHEMCATS



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

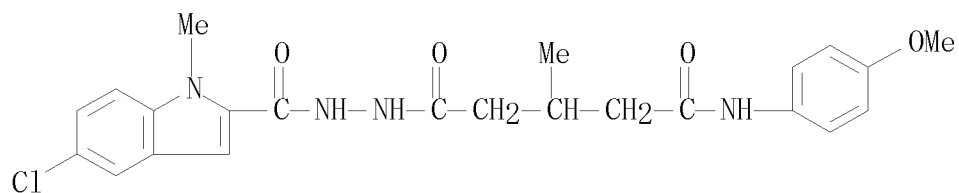
L6 ANSWER 7 OF 25 REGISTRY COPYRIGHT 2009 ACS on STN  
RN 755016-69-4 REGISTRY  
ED Entered STN: 01 Oct 2004  
CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-[4-[(1-methylheptyl)amino]-1,4-dioxobutyl]hydrazide (CA INDEX NAME)  
MF C21 H29 Cl N4 O3  
SR Chemical Library  
Supplier: Vitas-M  
LC STN Files: CHEMCATS



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

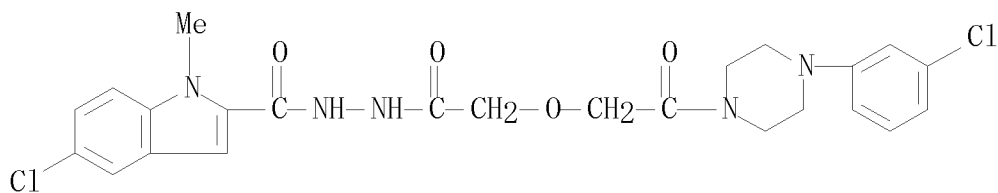


L6 ANSWER 8 OF 25 REGISTRY COPYRIGHT 2009 ACS on STN  
RN 755015-74-8 REGISTRY  
ED Entered STN: 01 Oct 2004  
CN 1H-Indole-2-carboxylic acid, 5-chloro-1-methyl-,  
2-[5-[(4-methoxyphenyl)amino]-3-methyl-1,5-dioxopentyl]hydrazide (CA  
INDEX NAME)  
MF C23 H25 Cl N4 O4  
SR Chemical Library  
Supplier: Vitas-M  
LC STN Files: CHEMCATS



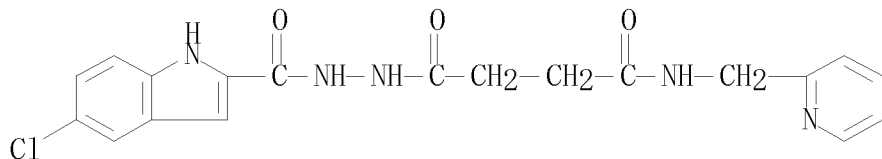
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L6 ANSWER 9 OF 25 REGISTRY COPYRIGHT 2009 ACS on STN  
RN 755015-06-6 REGISTRY  
ED Entered STN: 01 Oct 2004  
CN 1H-Indole-2-carboxylic acid, 5-chloro-1-methyl-,  
2-[2-[2-[4-(3-chlorophenyl)-1-piperazinyl]-2-oxoethoxy]acetyl]hydrazide  
(CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN 1H-Indole-2-carboxylic acid, 5-chloro-1-methyl-,  
2-[[2-[4-(3-chlorophenyl)-1-piperazinyl]-2-oxoethoxy]acetyl]hydrazide  
(9CI)  
MF C24 H25 Cl2 N5 O4  
SR Chemical Library  
Supplier: Vitas-M  
LC STN Files: CHEMCATS



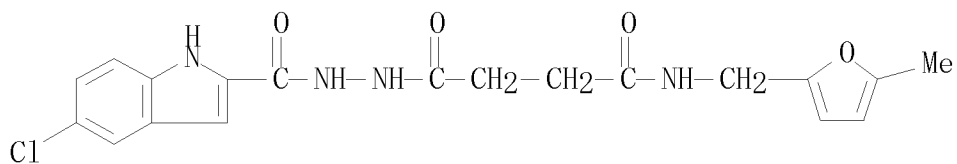
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L6 ANSWER 10 OF 25 REGISTRY COPYRIGHT 2009 ACS on STN  
RN 755014-99-4 REGISTRY  
ED Entered STN: 01 Oct 2004  
CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-[1,4-dioxo-4-[(2-pyridinylmethyl)amino]butyl]hydrazide (CA INDEX NAME)  
MF C19 H18 Cl N5 O3  
SR Chemical Library  
Supplier: Vitas-M  
LC STN Files: CHEMCATS



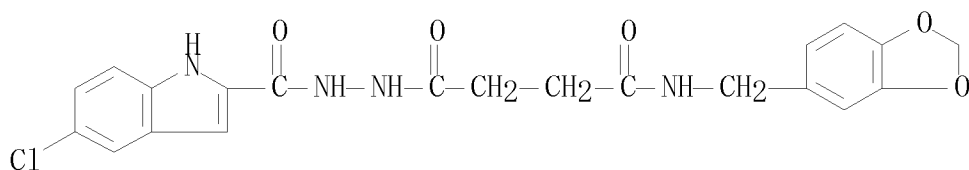
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L6 ANSWER 11 OF 25 REGISTRY COPYRIGHT 2009 ACS on STN  
RN 755014-89-2 REGISTRY  
ED Entered STN: 01 Oct 2004  
CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-[4-[[ (5-methyl-2-furanyl)methyl]amino]-1,4-dioxobutyl]hydrazide (CA  
INDEX NAME)  
MF C19 H19 Cl N4 O4  
SR Chemical Library  
Supplier: Vitas-M  
LC STN Files: CHEMCATS



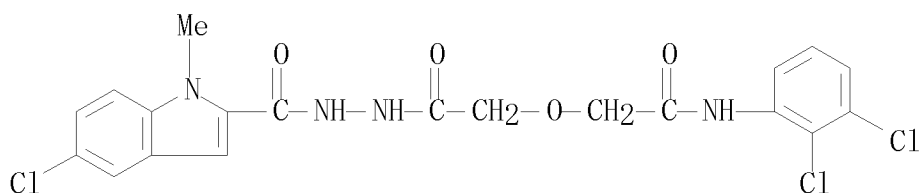
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L6 ANSWER 12 OF 25 REGISTRY COPYRIGHT 2009 ACS on STN  
RN 755014-76-7 REGISTRY  
ED Entered STN: 01 Oct 2004  
CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-[4-[(1,3-benzodioxol-5-ylmethyl)amino]-1,4-dioxobutyl]hydrazide (CA  
INDEX NAME)  
MF C21 H19 Cl N4 O5  
SR Chemical Library  
Supplier: Vitas-M  
LC STN Files: CHEMCATS



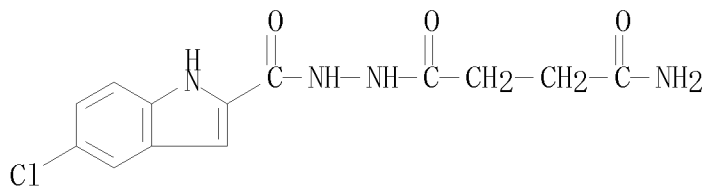
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L6 ANSWER 13 OF 25 REGISTRY COPYRIGHT 2009 ACS on STN  
RN 755010-45-8 REGISTRY  
ED Entered STN: 01 Oct 2004  
CN 1H-Indole-2-carboxylic acid, 5-chloro-1-methyl-,  
2-[2-[2-[(2,3-dichlorophenyl)amino]-2-oxoethoxy]acetyl]hydrazide (CA  
INDEX NAME)  
OTHER CA INDEX NAMES:  
CN 1H-Indole-2-carboxylic acid, 5-chloro-1-methyl-,  
2-[[2-[(2,3-dichlorophenyl)amino]-2-oxoethoxy]acetyl]hydrazide (9CI)  
MF C20 H17 Cl3 N4 O4  
SR Chemical Library  
Supplier: Vitas-M  
LC STN Files: CHEMCATS



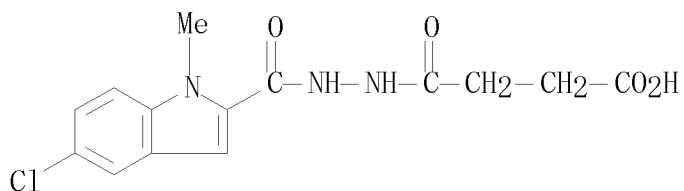
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L6 ANSWER 14 OF 25 REGISTRY COPYRIGHT 2009 ACS on STN  
RN 737793-61-2 REGISTRY  
ED Entered STN: 02 Sep 2004  
CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-(4-amino-1,4-dioxobutyl)hydrazide (CA INDEX NAME)  
MF C13 H13 Cl N4 O3  
SR Chemical Library  
Supplier: Vitas-M  
LC STN Files: CHEMCATS



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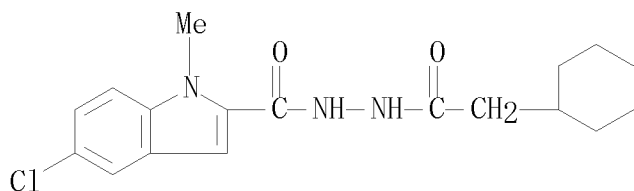
L6 ANSWER 15 OF 25 REGISTRY COPYRIGHT 2009 ACS on STN  
RN 737781-49-6 REGISTRY  
ED Entered STN: 02 Sep 2004  
CN Butanedioic acid, 1-[2-[(5-chloro-1-methyl-1H-indol-2-yl)carbonyl]hydrazide] (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Butanedioic acid, mono[2-[(5-chloro-1-methyl-1H-indol-2-yl)carbonyl]hydrazide] (9CI)  
MF C14 H14 Cl N3 O4  
SR Chemical Library  
Supplier: Vitas-M  
LC STN Files: CHEMCATS



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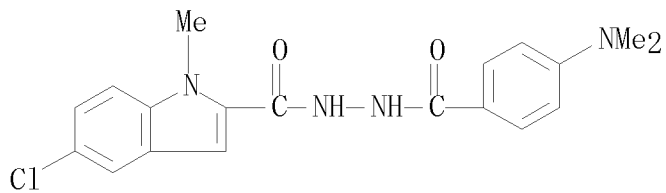


L6 ANSWER 16 OF 25 REGISTRY COPYRIGHT 2009 ACS on STN  
RN 737769-88-9 REGISTRY  
ED Entered STN: 02 Sep 2004  
CN 1H-Indole-2-carboxylic acid, 5-chloro-1-methyl-,  
2-(2-cyclohexylacetyl)hydrazide (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN 1H-Indole-2-carboxylic acid, 5-chloro-1-methyl-,  
2-(cyclohexylacetyl)hydrazide (9CI)  
MF C18 H22 Cl N3 O2  
SR Chemical Library  
Supplier: Vitas-M  
LC STN Files: CHEMCATS



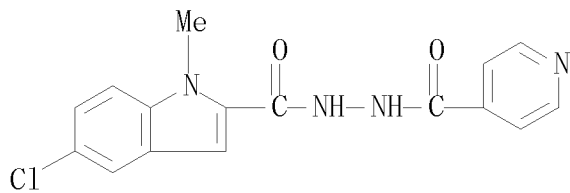
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L6 ANSWER 17 OF 25 REGISTRY COPYRIGHT 2009 ACS on STN  
RN 737769-37-8 REGISTRY  
ED Entered STN: 02 Sep 2004  
CN 1H-Indole-2-carboxylic acid, 5-chloro-1-methyl-,  
2-[4-(dimethylamino)benzoyl]hydrazide (CA INDEX NAME)  
MF C19 H19 Cl N4 O2  
SR Chemical Library  
Supplier: Vitas-M  
LC STN Files: CHEMCATS



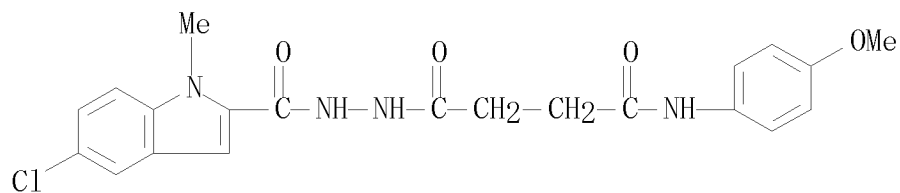
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L6 ANSWER 18 OF 25 REGISTRY COPYRIGHT 2009 ACS on STN  
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ED Entered STN: 02 Sep 2004  
CN 1H-Indole-2-carboxylic acid, 5-chloro-1-methyl-,  
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SR Chemical Library  
Supplier: Vitas-M  
LC STN Files: CHEMCATS



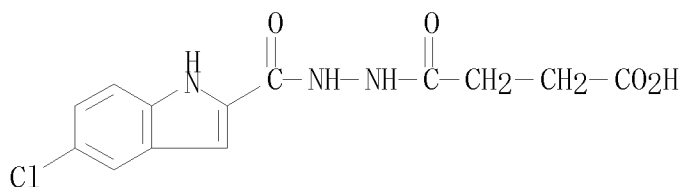
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L6 ANSWER 19 OF 25 REGISTRY COPYRIGHT 2009 ACS on STN  
RN 736973-45-8 REGISTRY  
ED Entered STN: 01 Sep 2004  
CN 1H-Indole-2-carboxylic acid, 5-chloro-1-methyl-,  
2-[4-[(4-methoxyphenyl)amino]-1,4-dioxobutyl]hydrazide (CA INDEX NAME)  
MF C21 H21 Cl N4 O4  
SR Chemical Library  
Supplier: Vitas-M  
LC STN Files: CHEMCATS



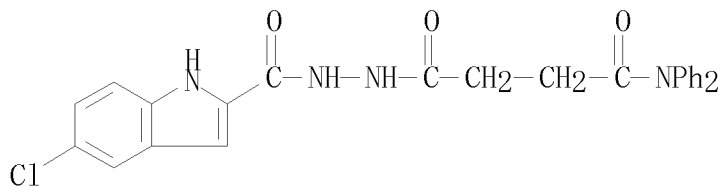
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L6 ANSWER 20 OF 25 REGISTRY COPYRIGHT 2009 ACS on STN  
RN 736966-57-7 REGISTRY  
ED Entered STN: 01 Sep 2004  
CN Butanedioic acid, 1-[2-[(5-chloro-1H-indol-2-yl)carbonyl]hydrazide] (CA  
INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Butanedioic acid, mono[2-[(5-chloro-1H-indol-2-yl)carbonyl]hydrazide]  
(9CI)  
MF C13 H12 Cl N3 O4  
SR Chemical Library  
Supplier: Vitas-M  
LC STN Files: CHEMCATS



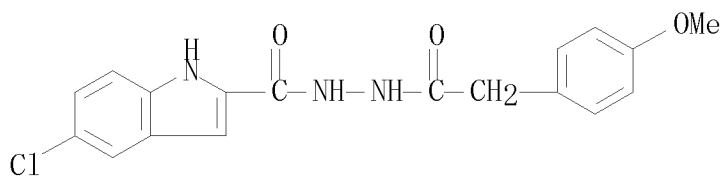
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L6 ANSWER 21 OF 25 REGISTRY COPYRIGHT 2009 ACS on STN  
RN 736964-94-6 REGISTRY  
ED Entered STN: 01 Sep 2004  
CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-[4-(diphenylamino)-1,4-dioxobutyl]hydrazide (CA INDEX NAME)  
MF C25 H21 Cl N4 O3  
SR Chemical Library  
Supplier: Vitas-M  
LC STN Files: CHEMCATS



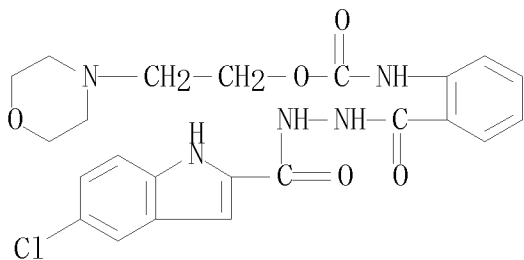
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L6 ANSWER 22 OF 25 REGISTRY COPYRIGHT 2009 ACS on STN  
RN 736945-94-1 REGISTRY  
ED Entered STN: 01 Sep 2004  
CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-[2-(4-methoxyphenyl)acetyl]hydrazide (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-[(4-methoxyphenyl)acetyl]hydrazide (9CI)  
MF C18 H16 Cl N3 O3  
SR Chemical Library  
Supplier: Vitas-M  
LC STN Files: CHEMCATS



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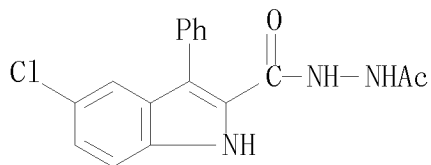
L6 ANSWER 23 OF 25 REGISTRY COPYRIGHT 2009 ACS on STN  
RN 521962-86-7 REGISTRY  
ED Entered STN: 29 May 2003  
CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-[2-[[[2-(4-morpholinyl)ethoxy]carbonyl]amino]benzoyl]hydrazide (CA  
INDEX NAME)  
MF C23 H24 Cl N5 O5  
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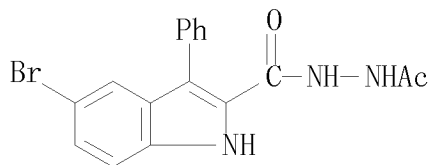


L6 ANSWER 24 OF 25 REGISTRY COPYRIGHT 2009 ACS on STN  
RN 295347-75-0 REGISTRY  
ED Entered STN: 13 Oct 2000  
CN 1H-Indole-2-carboxylic acid, 5-chloro-3-phenyl-, 2-acetylhydrazide (CA  
INDEX NAME)  
MF C17 H14 Cl N3 O2  
SR Chemical Library  
Supplier: ChemStar, Ltd.  
LC STN Files: CHEMCATS



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L6 ANSWER 25 OF 25 REGISTRY COPYRIGHT 2009 ACS on STN  
RN 295347-73-8 REGISTRY  
ED Entered STN: 13 Oct 2000  
CN 1H-Indole-2-carboxylic acid, 5-bromo-3-phenyl-, 2-acetylhydrazide (CA  
INDEX NAME)  
MF C17 H14 Br N3 O2  
SR Chemical Library  
Supplier: ChemStar, Ltd.  
LC STN Files: CHEMCATS



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

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FILE COVERS 1907 - 30 Dec 2009 VOL 152 ISS 1  
FILE LAST UPDATED: 29 Dec 2009 (20091229/ED)  
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Oct 2009  
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Oct 2009

CAPLUS now includes complete International Patent Classification (IPC) reclassification data for the third quarter of 2009.

CAS Information Use Policies apply and are available at:

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This file contains CAS Registry Numbers for easy and accurate substance identification.

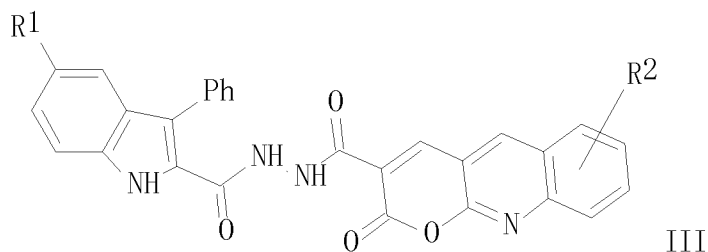
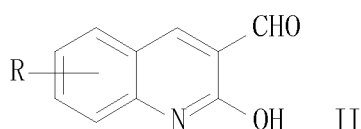
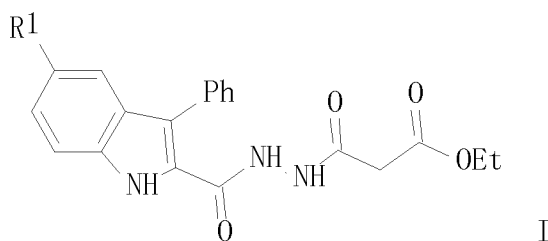
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L7 16 L3

=> d 1-16 ibib iabs hitstr

L7 ANSWER 1 OF 16 CAPLUS COPYRIGHT 2009 ACS on STN  
ACCESSION NUMBER: 2009:988625 CAPLUS  
DOCUMENT NUMBER: 151:358598  
TITLE: Synthesis and antimicrobial activity of some  
5-substituted-3-phenyl-N $\beta$ -(substituted-2-oxo-2H-  
pyrano[2,3-b]quinoline-3-carbonyl)-1H-indole-2-  
carboxyhydrazide  
AUTHOR(S): Mathada, Basavarajaiah Suliphal Devara; Mathada,  
Mruthyunjayaswamy Bennikallu Hire  
CORPORATE SOURCE: Department of Studies and Research in Chemistry,  
Gulbarga University, Gulbarga, 585106, India  
SOURCE: Chemical & Pharmaceutical Bulletin (2009), 57(6),  
557-560  
CODEN: CPBTAL; ISSN: 0009-2363  
PUBLISHER: Pharmaceutical Society of Japan  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
OTHER SOURCE(S): CASREACT 151:358598  
GRAPHIC IMAGE:

**ABSTRACT:**

Et 3-oxo-3-{2-[ (5-substituted-3-phenyl-1H-indol-2-yl)carbonyl]hydrazinyl}propanoates I (R=Cl, OMe) were synthesized according to the literature method. These on further reaction with substituted-2-hydroxy-3-formyl-quinolines II (R=H, 7-Br, 7-CH<sub>3</sub>, 9-CH<sub>3</sub>, 9-OCH<sub>3</sub>) yielded 5-substituted-N $\beta$ -(2-oxo-2H-pyrano[2,3-b]quinoline-3-carbonyl)-3-phenyl-1H-indole-2-carboxyhydrazides III (R<sub>1</sub>=Cl, OCH<sub>3</sub>; R<sub>2</sub>=H, 7-Br, 7-CH<sub>3</sub>, 9-CH<sub>3</sub>, 9-OCH<sub>3</sub>). Structures of the all the newly synthesized

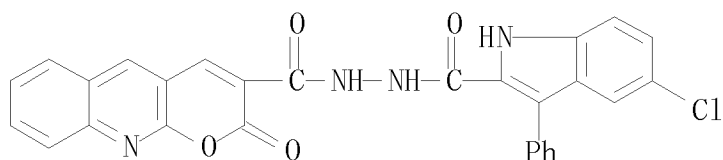
compds. were confirmed by spectral data. All these compds. have been screened for their antibacterial activity against *Staphylococcus aureus*, *Escherichia coli* and *Bacillus subtilis*, antifungal activity against *Aspergillus niger* and *Candida albicans* and antituberculosis activity against *Mycobacterium tuberculosis* (H37Rv).

IT 1187440-56-7P      1187440-57-8P      1187440-58-9P  
1187440-59-0P      1187440-60-3P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)  
 (preparation, antimicrobial and antituberculosis activity of pyranoquinolineindolecarboxyhydrazides via heterocyclization of indolylcarbonylhydrazinyl propanoates with hydroxyformyl quinolines)

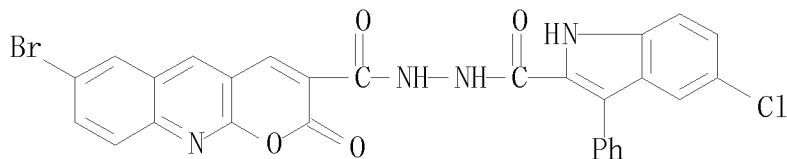
RN 1187440-56-7 CAPLUS

CN 2H-Pyrano[2,3-b]quinoline-3-carboxylic acid, 2-oxo-,  
 2-[(5-chloro-3-phenyl-1H-indol-2-yl)carbonyl]hydrazide (CA INDEX NAME)



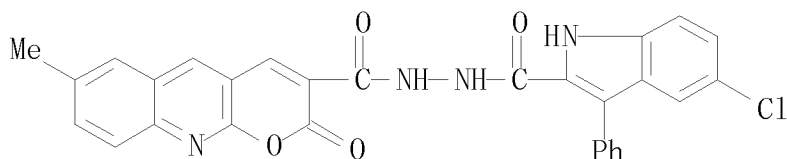
RN 1187440-57-8 CAPLUS

CN 2H-Pyrano[2,3-b]quinoline-3-carboxylic acid, 7-bromo-2-oxo-,  
 2-[(5-chloro-3-phenyl-1H-indol-2-yl)carbonyl]hydrazide (CA INDEX NAME)



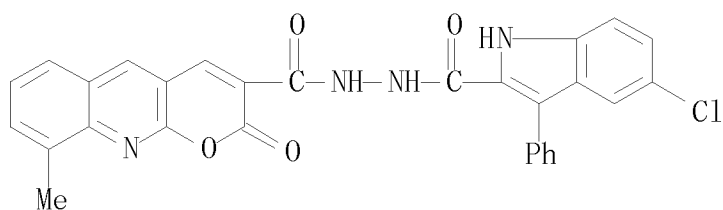
RN 1187440-58-9 CAPLUS

CN 2H-Pyrano[2,3-b]quinoline-3-carboxylic acid, 7-methyl-2-oxo-,  
 2-[(5-chloro-3-phenyl-1H-indol-2-yl)carbonyl]hydrazide (CA INDEX NAME)



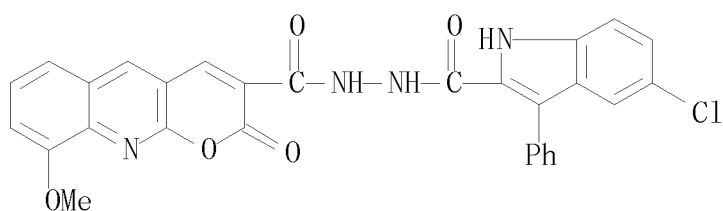
RN 1187440-59-0 CAPLUS

CN 2H-Pyrano[2,3-b]quinoline-3-carboxylic acid, 9-methyl-2-oxo-,  
 2-[(5-chloro-3-phenyl-1H-indol-2-yl)carbonyl]hydrazide (CA INDEX NAME)



RN 1187440-60-3 CAPLUS

CN 2H-Pyrano[2,3-b]quinoline-3-carboxylic acid, 9-methoxy-2-oxo-,  
2-[(5-chloro-3-phenyl-1H-indol-2-yl)carbonyl]hydrazide (CA INDEX NAME)

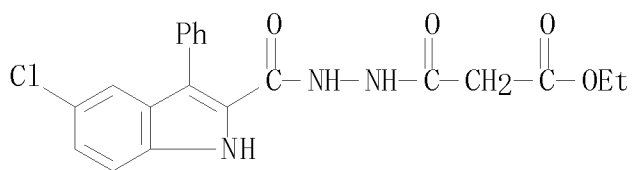


IT 316156-12-4

RL: RCT (Reactant); RACT (Reactant or reagent)  
(preparation, antimicrobial and antituberculosis activity of  
pyranoquinolineindolecarboxyhydrazides via heterocyclization of  
indolylcarbonylhydrazinyl propanoates with hydroxyformyl quinolines)

RN 316156-12-4 CAPLUS

CN Propanedioic acid, 1-ethyl ester, 3-[2-[(5-chloro-3-phenyl-1H-indol-2-yl)carbonyl]hydrazide] (CA INDEX NAME)



REFERENCE COUNT:

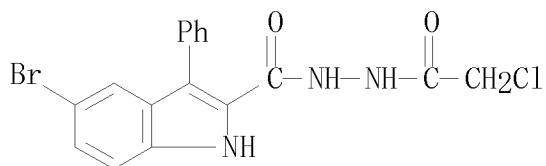
19

THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

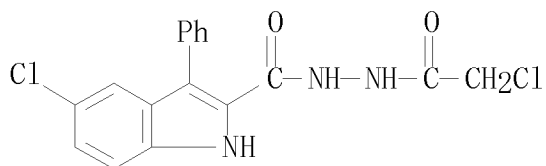
L7 ANSWER 2 OF 16 CAPLUS COPYRIGHT 2009 ACS on STN  
ACCESSION NUMBER: 2008:1223845 CAPLUS  
DOCUMENT NUMBER: 150:423143  
TITLE: Intramolecular cyclization of N'-chloroacetylindole  
hydrazide  
AUTHOR(S): Sharma, Prabhuodeyara M. Veerasha  
CORPORATE SOURCE: Department of Chemistry, Gulbarga University,  
Gulbarga, 585 106, India  
SOURCE: Asian Journal of Chemistry (2008), 20(8), 6597-6599  
CODEN: AJCHEW; ISSN: 0970-7077  
PUBLISHER: Asian Journal of Chemistry  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
OTHER SOURCE(S): CASREACT 150:423143  
ABSTRACT:

In this paper, some active class of compds. were synthesized, which the linked to indole nucleus. Various Et indole-2-carboxylates (1a-c) were prepared according to the Fischer method. These esters on reaction with hydrazine hydrate in ethanol yielded substituted indole-2-carboxyhydrazides. Hydrazides on reaction with chloroacetyl chloride in dry dioxane at reflux temperature to get N'-chloroacetylindole hydrazide. The N'-chloroacetylindole hydrazide compds. on reaction sodium hydroxide in DMF at reflux temperature with constant stirring gave 5,6-dihydro-5-substituted-3-phenylindole-1,3,4-oxadiazin-5-one.

IT 1142922-67-5P 1142922-68-6P  
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
(preparation of indolyl-oxadiazinone derivs. by alkylation of indole-hydrazides with chloroacetyl chloride followed by intramol. cyclization of N'-chloroacetylindole hydrazides)  
RN 1142922-67-5 CAPLUS  
CN 1H-Indole-2-carboxylic acid, 5-bromo-3-phenyl-,  
2-(2-chloroacetyl)hydrazide (CA INDEX NAME)



RN 1142922-68-6 CAPLUS  
CN 1H-Indole-2-carboxylic acid, 5-chloro-3-phenyl-,  
2-(2-chloroacetyl)hydrazide (CA INDEX NAME)

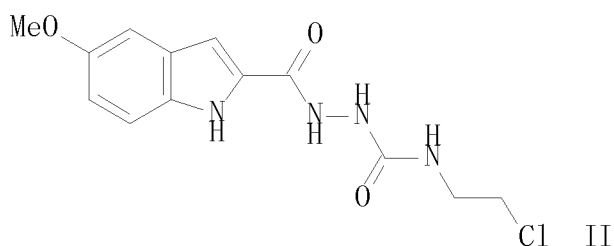
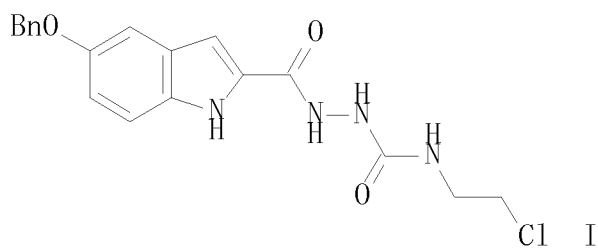


REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT





L7 ANSWER 3 OF 16 CAPLUS COPYRIGHT 2009 ACS on STN  
 ACCESSION NUMBER: 2007:1188032 CAPLUS  
 DOCUMENT NUMBER: 148:54830  
 TITLE: Design, synthesis and cytotoxic activity of novel  
 1-aryyl-4-(2-chloroethyl)semicarbazides  
 AUTHOR(S): El-Sadek, M. E.; Aboukull, M. E.; El-Sabbagh, O. I.;  
 Shallal, H. M.  
 CORPORATE SOURCE: Department of Medicinal Chemistry, Faculty of  
 Pharmacy, Zagazig University, Zagazig, Egypt  
 SOURCE: Pharmaceutical Chemistry Journal (2007), 41(4),  
 188-192  
 CODEN: PCJOAU; ISSN: 0091-150X  
 PUBLISHER: Springer  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 OTHER SOURCE(S): CASREACT 148:54830  
 GRAPHIC IMAGE:



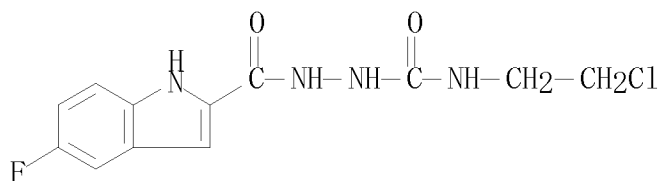
#### ABSTRACT:

A series of aroyl derivs. of 4-(2-chloroethyl)semicarbazide were designed and synthesized to explore their antiproliferative activity against human brain carcinoma (U251) and human liver carcinoma (Hepg2) cell lines. The synthesized compds. were characterized by elemental analyses and spectroscopic data. It was established that compds. in which semicarbazide fragments are substituted with a (2-indolyl)carbonyl moiety showed a higher cytotoxic activity than the corresponding benzoyl derivs. 1-[(5-Benzyloxy-1H-indol-2-yl)carbonyl]-4-(2-chloroethyl)semicarbazide (I) showed the highest cytotoxic activity against Hepg2 (IC<sub>50</sub>= 21 µg/mL), while 4-(2-chloroethyl)-1-[(5-methoxy-1H-indol-2-yl)carbonyl]semicarbazide (II) was the most active compound against U251 (IC<sub>50</sub> = 8 µg/mL).

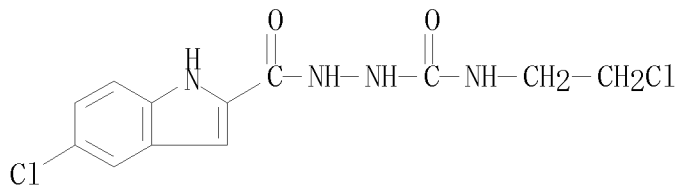
IT 960157-40-8P 960157-41-9P  
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); BIOL  
 (Biological study); PREP (Preparation)  
 (preparation, antiproliferative activity, and SAR of

aroyl(chloroethyl)semicarbazides)

RN 960157-40-8 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-fluoro-,  
2-[[ (2-chloroethyl)amino]carbonyl]hydrazide (CA INDEX NAME)

RN 960157-41-9 CAPLUS

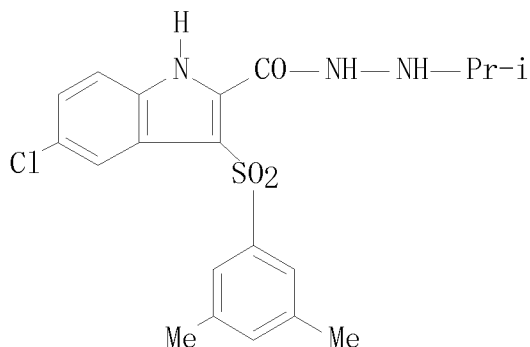
CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-[[ (2-chloroethyl)amino]carbonyl]hydrazide (CA INDEX NAME)

REFERENCE COUNT:

16

THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 4 OF 16 CAPLUS COPYRIGHT 2009 ACS on STN  
ACCESSION NUMBER: 2006:413170 CAPLUS  
DOCUMENT NUMBER: 145:95759  
TITLE: Design, Molecular Modeling, Synthesis, and Anti-HIV-1  
Activity of New Indolyl Aryl Sulfones. Novel  
Derivatives of the Indole-2-carboxamide  
AUTHOR(S): Ragno, Rino; Coluccia, Antonio; La Regina, Giuseppe;  
De Martino, Gabriella; Piscitelli, Francesco;  
Lavecchia, Antonio; Novellino, Ettore; Bergamini,  
Alberto; Ciaprini, Chiara; Sinistro, Anna; Maga,  
Giovanni; Crespan, Emanuele; Artico, Marino;  
Silvestri, Romano  
CORPORATE SOURCE: Dipartimento di Studi Farmaceutici, Istituto  
Pasteur-Fondazione Cenci Bolognetti, Universita di  
Roma La Sapienza, Rome, I-00185, Italy  
SOURCE: Journal of Medicinal Chemistry (2006), 49(11),  
3172-3184  
CODEN: JMCMAR; ISSN: 0022-2623  
PUBLISHER: American Chemical Society  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
OTHER SOURCE(S): CASREACT 145:95759  
GRAPHIC IMAGE:



I

ABSTRACT:

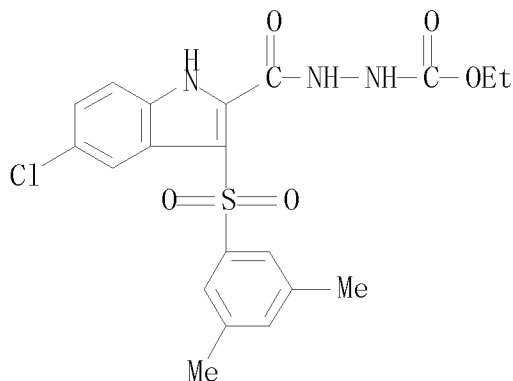
Mol. modeling studies and an updated highly predictive 3-D QSAR model led to the discovery of exceptionally potent indolyl aryl sulfones (IASs) characterized by the presence of either a pyrrolidin-2-one nucleus at the indole-2-carboxamide or some substituents at the indole-2-carbohydrazide. Two of the compds. were found active in the sub-nanomolar range of concentration in both MT-4 and C8166 cell-based anti-HIV assays. These compds., and in particular compound I, also showed excellent inhibitory activity against both HIV-112 and HIV-AB1 primary isolates in lymphocytes and against HIV WT in macrophages.

IT 895152-93-9P

RL: PAC (Pharmacological activity); PRP (Properties); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)  
(indolyl aryl sulfones with anti-HIV-1 activity)

RN 895152-93-9 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-3-[(3,5-dimethylphenyl)sulfonyl]-, 2-(ethoxycarbonyl)hydrazide (CA INDEX NAME)

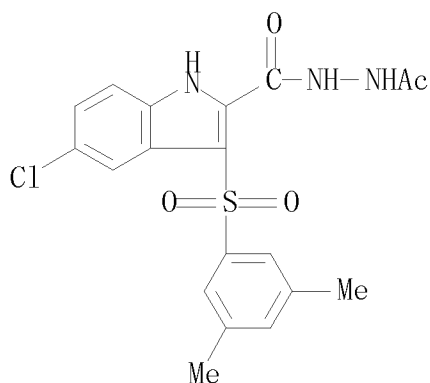


IT 895152-92-8P 895152-94-0P

RL: PAC (Pharmacological activity); PRP (Properties); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(indolyl aryl sulfones with anti-HIV-1 activity)

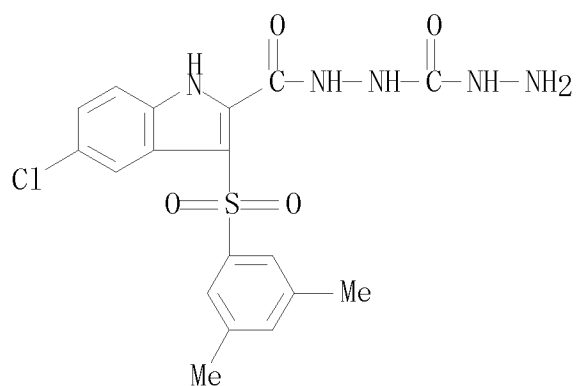
RN 895152-92-8 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-3-[(3,5-dimethylphenyl)sulfonyl]-, 2-acetylhydrazide (CA INDEX NAME)



RN 895152-94-0 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-3-[(3,5-dimethylphenyl)sulfonyl]-, 2-(hydrazinylcarbonyl)hydrazide (CA INDEX NAME)



OS. CITING REF COUNT: 17 THERE ARE 17 CAPLUS RECORDS THAT CITE THIS  
RECORD (17 CITINGS)  
REFERENCE COUNT: 42 THERE ARE 42 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 5 OF 16 CAPLUS COPYRIGHT 2009 ACS on STN  
 ACCESSION NUMBER: 2005:1004705 CAPLUS  
 DOCUMENT NUMBER: 143:306169  
 TITLE: Indole-2-carboxylic acid hydrazides  
 INVENTOR(S): Bradley, Stuart Edward; Jeevaratnam, Revathy Perpetua;  
 Krulle, Thomas Martin; Procter, Martin James; Rowley,  
 Robert John; Thomas, Gerard Hugh; Valdes, Ana  
 PATENT ASSIGNEE(S): Prosidion Limited, UK  
 SOURCE: PCT Int. Appl., 27 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005085194	A2	20050915	WO 2005-GB872	20050308
WO 2005085194	A3	20060105		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
EP 1768957	A2	20070404	EP 2005-717940	20050308
R:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, AL, BA, HR, LV, MK, YU			
JP 2007527903	T	20071004	JP 2007-502386	20050308
US 20080188472	A1	20080807	US 2007-592011	20071022
PRIORITY APPLN. INFO.:			US 2004-551255P	P 20040308
			WO 2005-GB872	W 20050308
OTHER SOURCE(S):	CASREACT 143:306169; MARPAT 143:306169			
GRAPHIC IMAGE:				

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

#### ABSTRACT:

Compds. of formula I [wherein Y = -C(O)-, -S(O)<sub>2</sub>-, or -C(NH)-; Z = C1-4alkylene, O, -(CH<sub>2</sub>)<sub>m</sub>-, -O(CH<sub>2</sub>)<sub>m</sub>, etc. (m = 1-4); R<sub>1</sub>, R<sub>2</sub> = independently halogen, hydroxym cyano, etc.; R<sub>3</sub> = C0-4alkyl, C1-4alkoxyC1-3alkyl-, hydroxyC1-4alkyl, etc.; R<sub>4</sub> = H, -COOC0-4alkyl, C1-4alkyl, etc.] or pharmaceutically acceptable salts thereof, were prepared as inhibitors of glycogen phosphorylase. Thus, a solution of 5-chloro-1H-indole-2-carboxylic acid hydrazide (II) in 1,4-dioxane was treated with phenylmethanesulfonyl chloride and DIPEA for 16H at room temperature to provide 5-chloro-1H-indole-2-carboxylic acid N'-(phenylmethanesulfonyl)hydrazide (III). Compds. of formula I are useful in the prophylactic or therapeutic treatment of diabetes, hyperglycemia,

hypercholesterolemia, hyperinsulinemia, hyperlipidemia, hypertension, atherosclerosis or tissue ischemia, e.g. myocardial ischemia, or as cardioprotectants or inhibitors of abnormal cell growth.

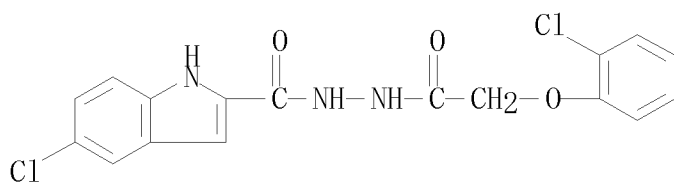
IT	<u>864658-89-9P</u>	<u>864658-90-2P</u>	<u>864658-91-3P</u>
	<u>864658-92-4P</u>	<u>864658-93-5P</u>	<u>864658-94-6P</u>
	<u>864658-95-7P</u>	<u>864658-96-8P</u>	<u>864658-97-9P</u>
	<u>864658-98-0P</u>	<u>864658-99-1P</u>	<u>864659-00-7P</u>
	<u>864659-01-8P</u>	<u>864659-02-9P</u>	<u>864659-03-0P</u>
	<u>864659-04-1P</u>	<u>864659-05-2P</u>	<u>864659-06-3P</u>
	<u>864659-07-4P</u>	<u>864659-08-5P</u>	<u>864659-09-6P</u>
	<u>864659-10-9P</u>	<u>864659-11-0P</u>	<u>864659-12-1P</u>
	<u>864659-13-2P</u>	<u>864659-14-3P</u>	<u>864659-15-4P</u>
	<u>864659-16-5P</u>	<u>864659-17-6P</u>	<u>864659-18-7P</u>

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of indole-2-carboxylic acid hydrazides as inhibitors of glycogen phosphorylase)

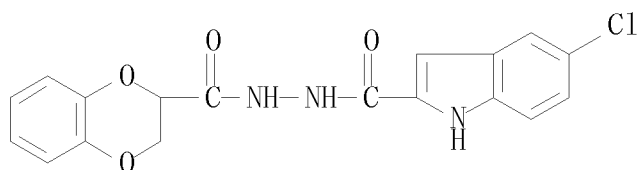
RN 864658-89-9 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-[2-(2-chlorophenoxy)acetyl]hydrazide (CA INDEX NAME)



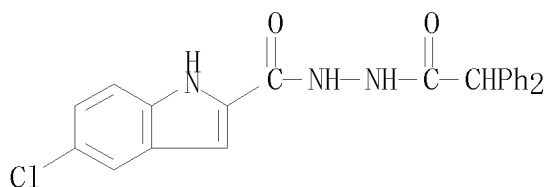
RN 864658-90-2 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-[(2,3-dihydro-1,4-benzodioxin-2-yl)carbonyl]hydrazide (CA INDEX NAME)

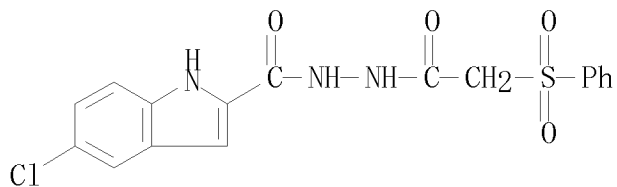


RN 864658-91-3 CAPLUS

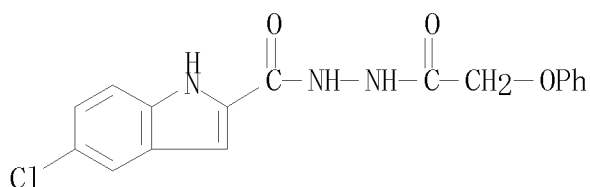
CN 1H-Indole-2-carboxylic acid, 5-chloro-, 2-(2,2-diphenylacetyl)hydrazide  
(CA INDEX NAME)



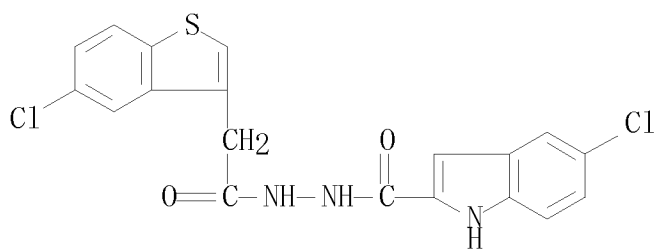
RN 864658-92-4 CAPLUS  
CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-[2-(phenylsulfonyl)acetyl]hydrazide (CA INDEX NAME)



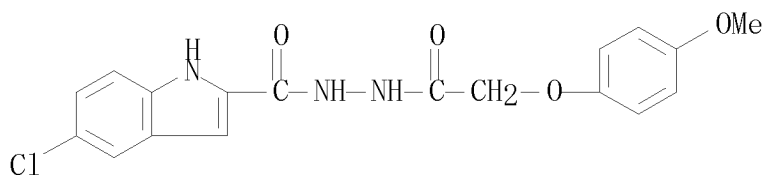
RN 864658-93-5 CAPLUS  
CN 1H-Indole-2-carboxylic acid, 5-chloro-, 2-(2-phenoxyacetyl)hydrazide (CA INDEX NAME)



RN 864658-94-6 CAPLUS  
CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-[2-(5-chlorobenzo[b]thien-3-yl)acetyl]hydrazide (CA INDEX NAME)

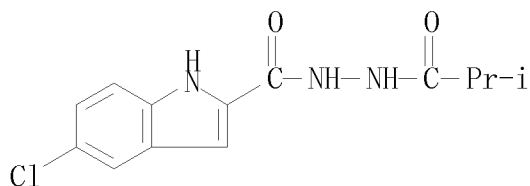


RN 864658-95-7 CAPLUS  
CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-[2-(4-methoxyphenoxy)acetyl]hydrazide (CA INDEX NAME)



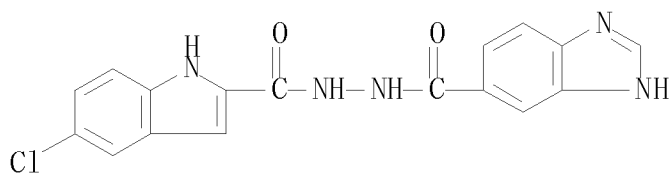
RN 864658-96-8 CAPLUS  
CN 1H-Indole-2-carboxylic acid, 5-chloro-, 2-(2-methyl-1-oxopropyl)hydrazide (CA INDEX NAME)





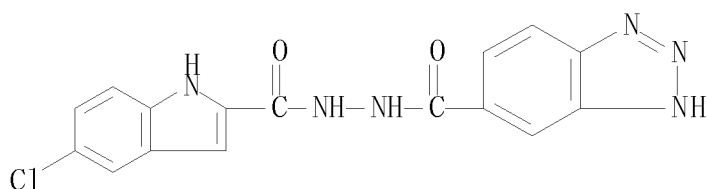
RN 864658-97-9 CAPLUS

CN 1H-Benzimidazole-6-carboxylic acid,  
2-[(5-chloro-1H-indol-2-yl)carbonyl]hydrazide (CA INDEX NAME)



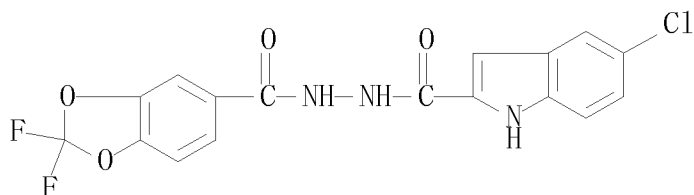
RN 864658-98-0 CAPLUS

CN 1H-Benzotriazole-6-carboxylic acid,  
2-[(5-chloro-1H-indol-2-yl)carbonyl]hydrazide (CA INDEX NAME)



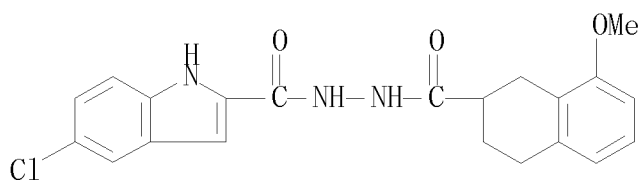
RN 864658-99-1 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-[(2,2-difluoro-1,3-benzodioxol-5-yl)carbonyl]hydrazide (CA INDEX NAME)



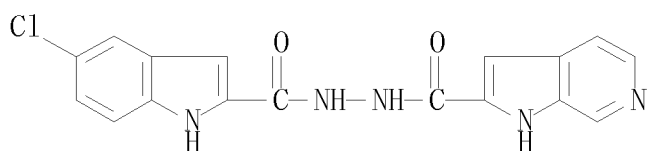
RN 864659-00-7 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-[(1,2,3,4-tetrahydro-8-methoxy-2-naphthalenyl)carbonyl]hydrazide (CA  
INDEX NAME)



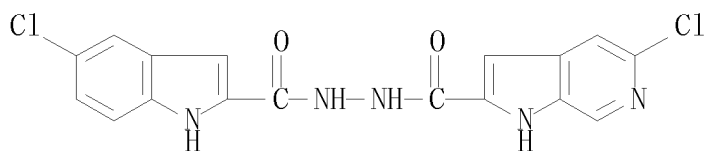
RN 864659-01-8 CAPLUS

CN 1H-Pyrrolo[2,3-c]pyridine-2-carboxylic acid,  
2-[(5-chloro-1H-indol-2-yl)carbonyl]hydrazide (CA INDEX NAME)



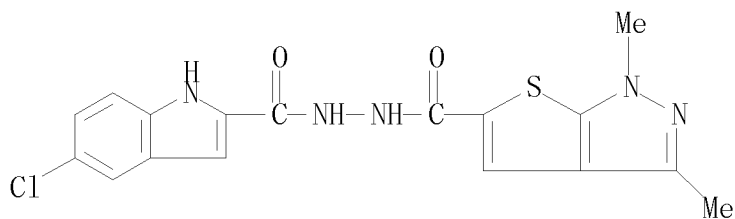
RN 864659-02-9 CAPLUS

CN 1H-Pyrrolo[2,3-c]pyridine-2-carboxylic acid, 5-chloro-,  
2-[(5-chloro-1H-indol-2-yl)carbonyl]hydrazide (CA INDEX NAME)



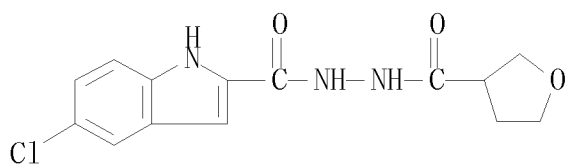
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CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-[(1,3-dimethyl-1H-thieno[2,3-c]pyrazol-5-yl)carbonyl]hydrazide (CA  
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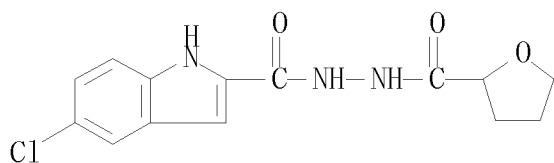
RN 864659-04-1 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-[(tetrahydro-3-furanyl)carbonyl]hydrazide (CA INDEX NAME)



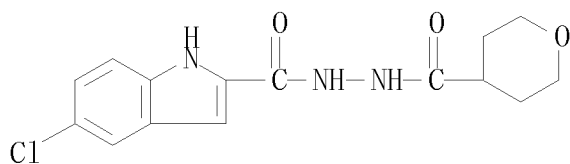
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2-[(tetrahydro-2-furanyl)carbonyl]hydrazide (CA INDEX NAME)



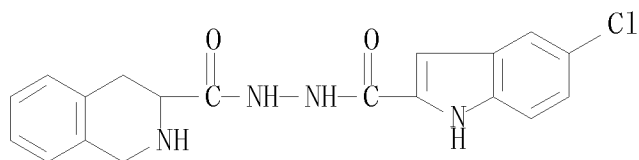
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2-[(tetrahydro-2H-pyran-4-yl)carbonyl]hydrazide (CA INDEX NAME)



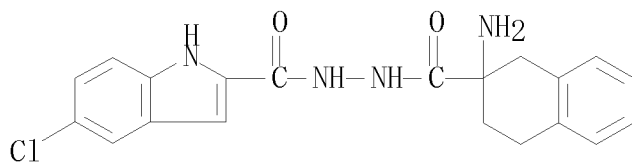
RN 864659-07-4 CAPLUS

CN 3-Isoquinolinecarboxylic acid, 1,2,3,4-tetrahydro-,  
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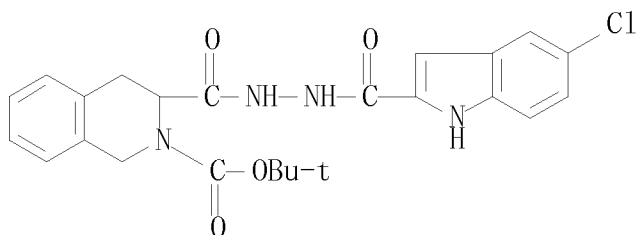
RN 864659-08-5 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-[(2-amino-1,2,3,4-tetrahydro-2-naphthalenyl)carbonyl]hydrazide (CA  
INDEX NAME)



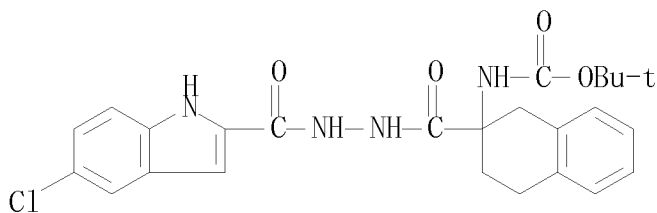
RN 864659-09-6 CAPLUS

CN 2,3(1H)-Isoquinolinedicarboxylic acid, 3,4-dihydro-, 2-(1,1-dimethylethyl) ester, 3-[2-[(5-chloro-1H-indol-2-yl)carbonyl]hydrazide] (CA INDEX NAME)



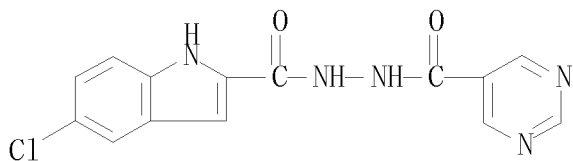
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CN 1H-Indole-2-carboxylic acid, 5-chloro-, 2-[[2-[[ (1,1-dimethylethoxy)carbonyl]amino]-1,2,3,4-tetrahydro-2-naphthalenyl]carbonyl]hydrazide (CA INDEX NAME)



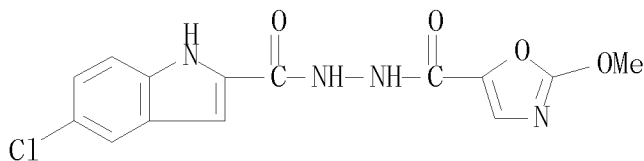
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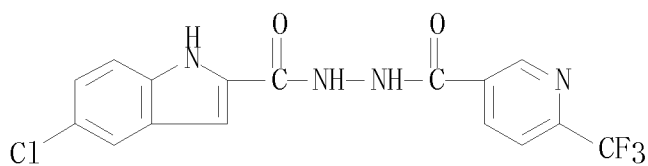
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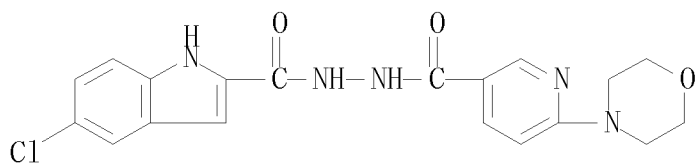


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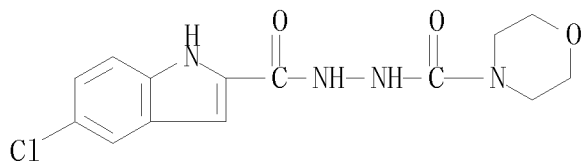
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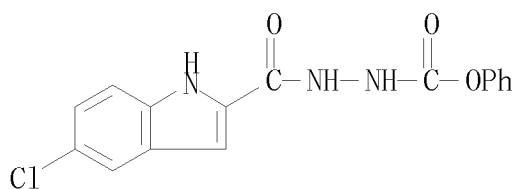
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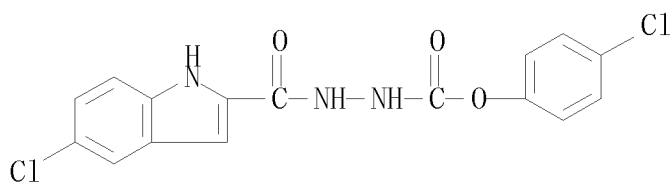
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(CA INDEX NAME)

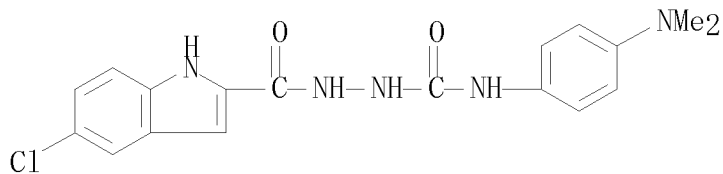
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CN 1H-Indole-2-carboxylic acid, 5-chloro-, 2-(phenoxy carbonyl)hydrazide (CA  
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RN 864659-17-6 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-[(4-chlorophenoxy)carbonyl]hydrazide (CA INDEX NAME)

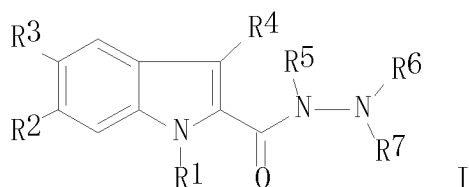
RN 864659-18-7 CAPLUS  
CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-[[[4-(dimethylamino)phenyl]amino]carbonyl]hydrazide (CA INDEX NAME)



OS. CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD  
(1 CITINGS)  
REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 6 OF 16 CAPLUS COPYRIGHT 2009 ACS on STN  
 ACCESSION NUMBER: 2003:356418 CAPLUS  
 DOCUMENT NUMBER: 138:368761  
 TITLE: Preparation of indole derivatives as inhibitors of  
 human liver glycogen phosphorylase a  
 INVENTOR(S): Nakamura, Takeshi; Takagi, Masaki; Ueda, Nobuhisa  
 PATENT ASSIGNEE(S): Japan Tobacco Inc., Japan  
 SOURCE: PCT Int. Appl., 237 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003037864	A1	20030508	WO 2002-JP11234	20021029
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
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JP 2003201279	A	20030718	JP 2002-315100	20021029
EP 1452526	A1	20040901	EP 2002-777995	20021029
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US 20050054696	A1	20050310	US 2004-493853	20041021
PRIORITY APPLN. INFO.:			JP 2001-331501	A 20011029
			WO 2002-JP11234	W 20021029
OTHER SOURCE(S):	MARPAT 138:368761			
GRAPHIC IMAGE:				



## ABSTRACT:

The title compds. I [R1 = H, alkyl, etc.; R2 = H, halo; R3 = halo, alkyl, etc.; R4 = H, alkyl; R5 = H, alkyl, alkoxy carbonyl; R6 = H, alkyl, etc.; R7 = C(:X)AB; X = O, etc.; A = NR8, etc.; R8 = H, alkyl, etc.; B = (un)substituted Ph, etc.] are prepared I are useful in the treatment of diabetes. Compds. of this invention in vitro showed IC50 values of 0.010  $\mu$ M to > 0.1  $\mu$ M

against human liver glycogen phosphorylase a.

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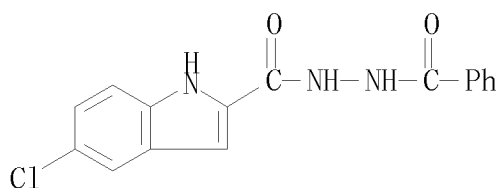
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(preparation of indole derivs. as inhibitors of human liver glycogen phosphorylase a)

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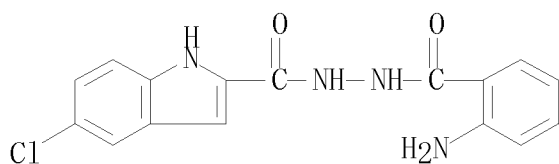
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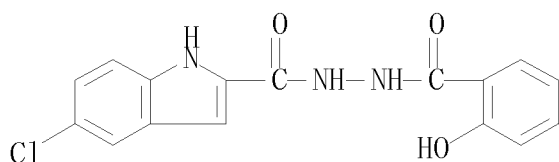
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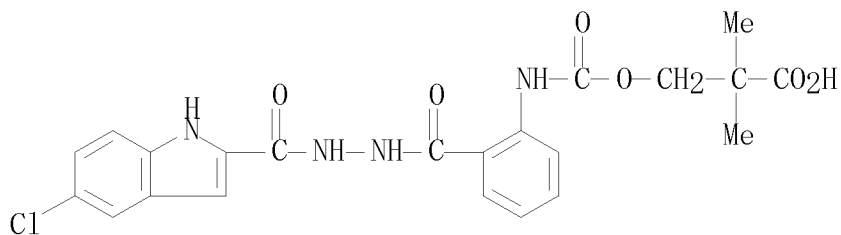
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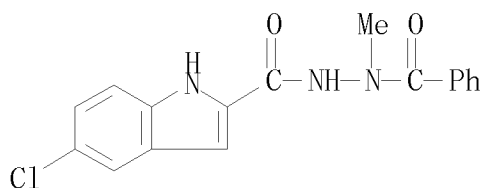
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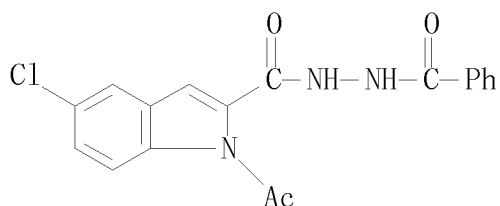
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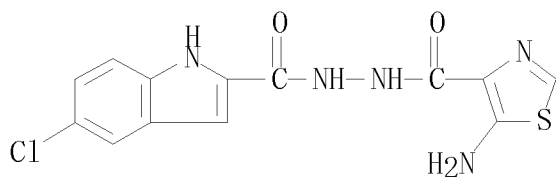


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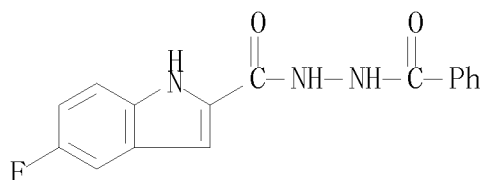


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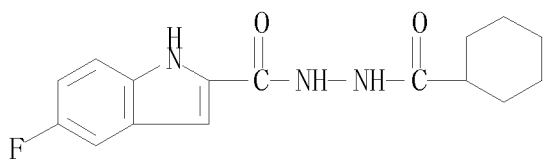
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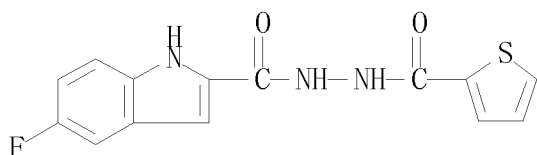


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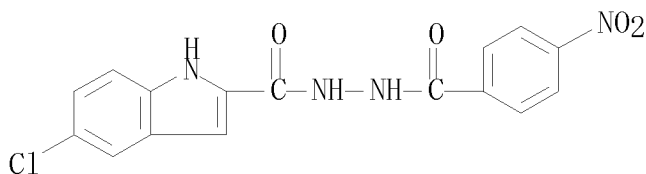
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(CA INDEX NAME)



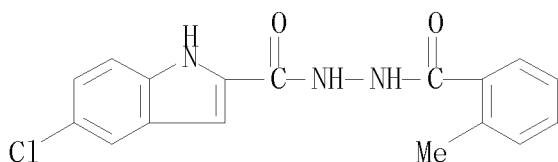
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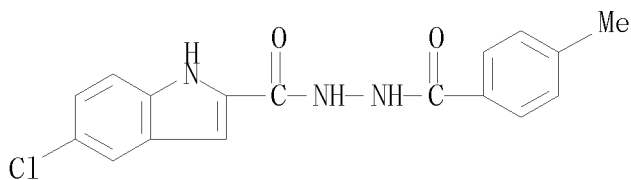
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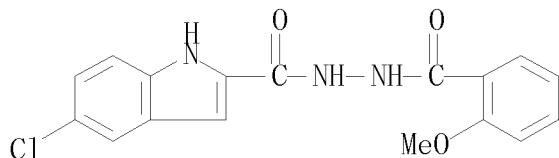
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CN 1H-Indole-2-carboxylic acid, 5-chloro-, 2-(2-methylbenzoyl)hydrazide (CA  
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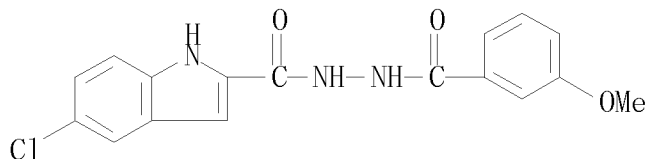
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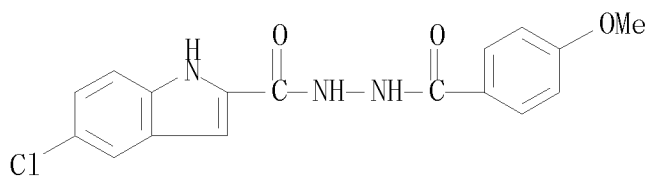
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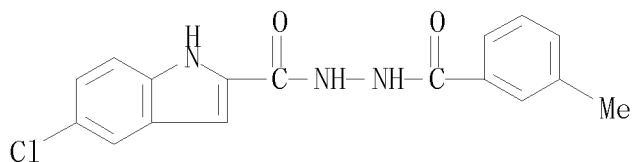
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INDEX NAME)

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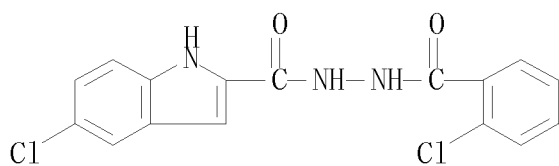
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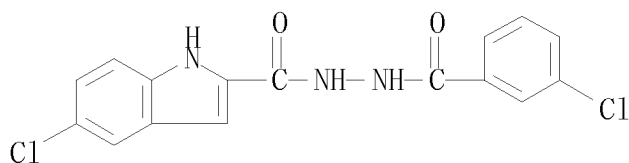
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INDEX NAME)



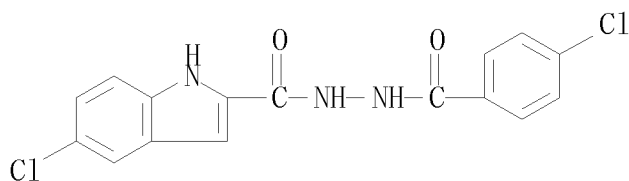
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CN 1H-Indole-2-carboxylic acid, 5-chloro-, 2-(3-chlorobenzoyl)hydrazide (CA INDEX NAME)



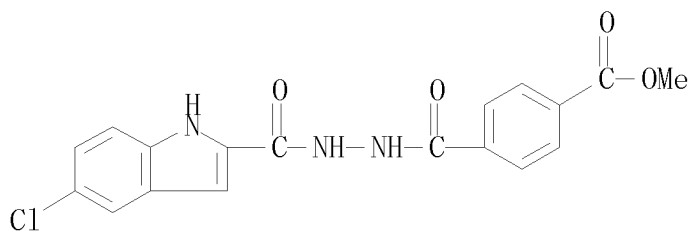
RN 521960-70-3 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-, 2-(4-chlorobenzoyl)hydrazide (CA INDEX NAME)



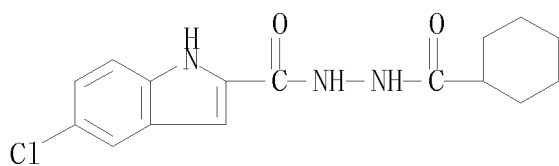
RN 521960-71-4 CAPLUS

CN 1,4-Benzenedicarboxylic acid, 1-methyl ester, 4-[2-[(5-chloro-1H-indol-2-yl)carbonyl]hydrazide] (CA INDEX NAME)

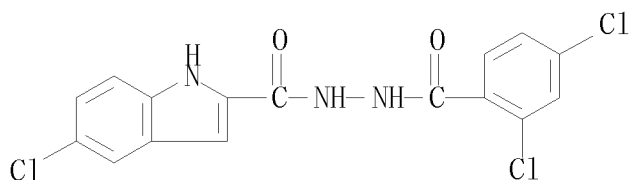


RN 521960-72-5 CAPLUS

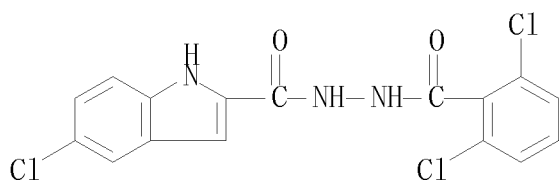
CN 1H-Indole-2-carboxylic acid, 5-chloro-, 2-(cyclohexylcarbonyl)hydrazide (CA INDEX NAME)



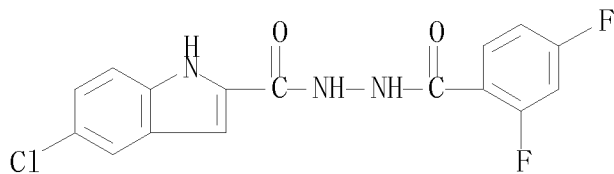
RN 521960-73-6 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-, 2-(2,4-dichlorobenzoyl)hydrazide  
(CA INDEX NAME)

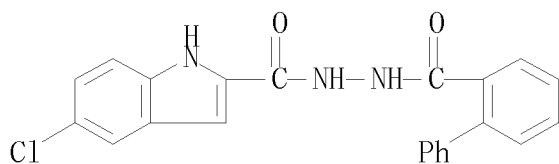
RN 521960-74-7 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-, 2-(2,6-dichlorobenzoyl)hydrazide  
(CA INDEX NAME)

RN 521960-75-8 CAPLUS

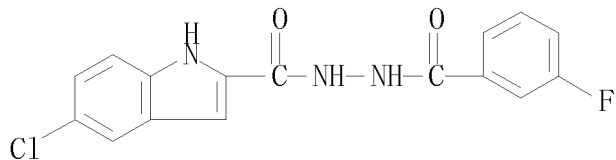
CN 1H-Indole-2-carboxylic acid, 5-chloro-, 2-(2,4-difluorobenzoyl)hydrazide  
(CA INDEX NAME)

RN 521960-76-9 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-([1,1'-biphenyl]-2-ylcarbonyl)hydrazide (CA INDEX NAME)

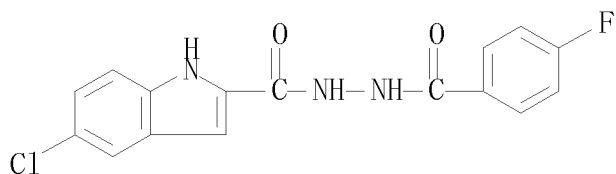
RN 521960-77-0 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-, 2-(3-fluorobenzoyl)hydrazide (CA INDEX NAME)



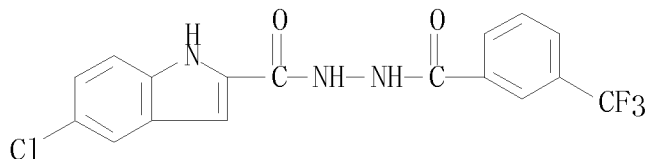
RN 521960-78-1 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-, 2-(4-fluorobenzoyl)hydrazide (CA INDEX NAME)



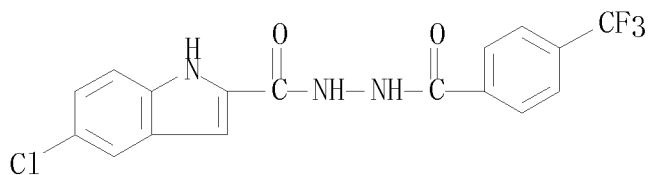
RN 521960-79-2 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-, 2-[3-(trifluoromethyl)benzoyl]hydrazide (CA INDEX NAME)



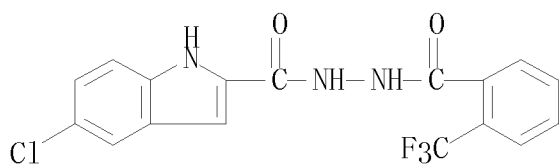
RN 521960-81-6 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-, 2-[4-(trifluoromethyl)benzoyl]hydrazide (CA INDEX NAME)



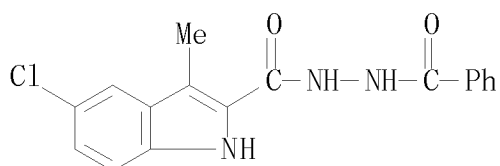
RN 521960-82-7 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-, 2-[2-(trifluoromethyl)benzoyl]hydrazide (CA INDEX NAME)



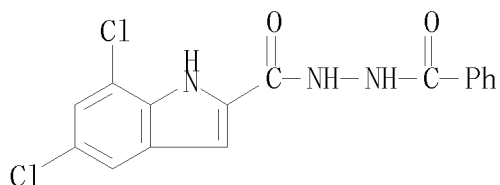
RN 521960-85-0 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-3-methyl-, 2-benzoylhydrazide (CA INDEX NAME)



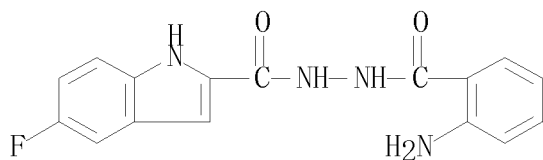
RN 521960-87-2 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5,7-dichloro-, 2-benzoylhydrazide (CA INDEX NAME)



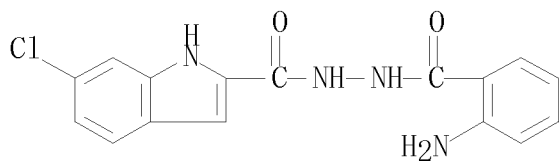
RN 521960-92-9 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-fluoro-, 2-(2-aminobenzoyl)hydrazide (CA INDEX NAME)



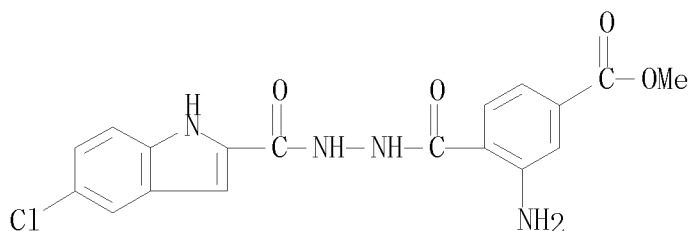
RN 521960-94-1 CAPLUS

CN 1H-Indole-2-carboxylic acid, 6-chloro-, 2-(2-aminobenzoyl)hydrazide (CA INDEX NAME)

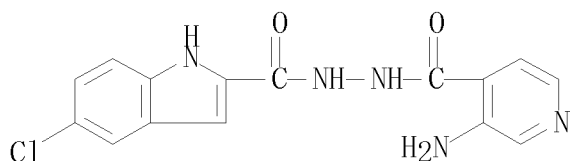




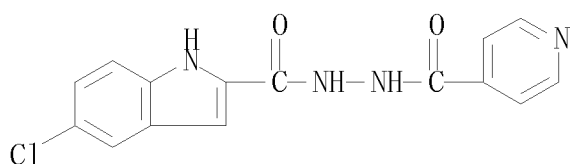
RN 521960-96-3 CAPLUS

CN 1,4-Benzenedicarboxylic acid, 2-amino-, 4-methyl ester,  
1-[2-[(5-chloro-1H-indol-2-yl)carbonyl]hydrazide] (CA INDEX NAME)

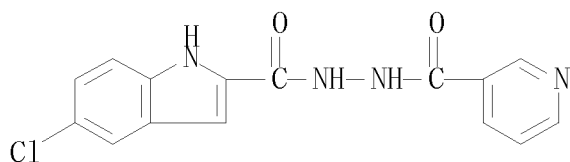
RN 521960-98-5 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-[(3-amino-4-pyridinyl)carbonyl]hydrazide (CA INDEX NAME)

RN 521961-00-2 CAPLUS

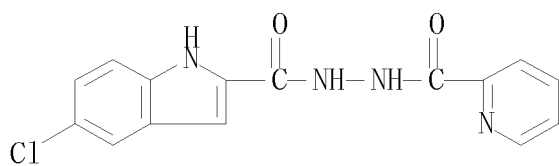
CN 1H-Indole-2-carboxylic acid, 5-chloro-, 2-(4-pyridinylcarbonyl)hydrazide  
(CA INDEX NAME)

RN 521961-03-5 CAPLUS

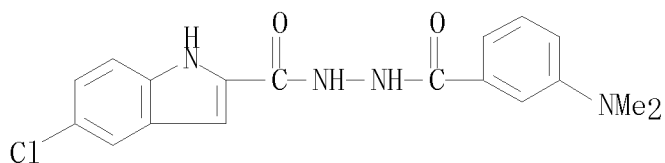
CN 1H-Indole-2-carboxylic acid, 5-chloro-, 2-(3-pyridinylcarbonyl)hydrazide  
(CA INDEX NAME)

RN 521961-05-7 CAPLUS

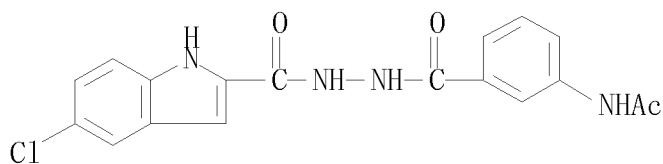
CN 1H-Indole-2-carboxylic acid, 5-chloro-, 2-(2-pyridinylcarbonyl)hydrazide  
(CA INDEX NAME)



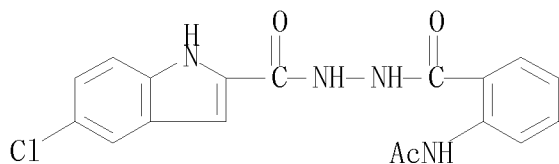
RN 521961-07-9 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-[3-(dimethylamino)benzoyl]hydrazide (CA INDEX NAME)

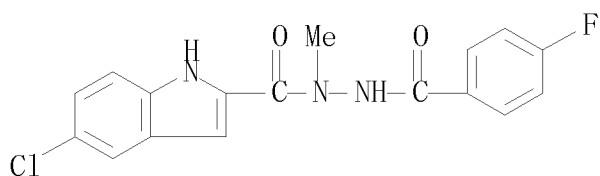
RN 521961-09-1 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-[3-(acetamido)benzoyl]hydrazide (CA INDEX NAME)

RN 521961-10-4 CAPLUS

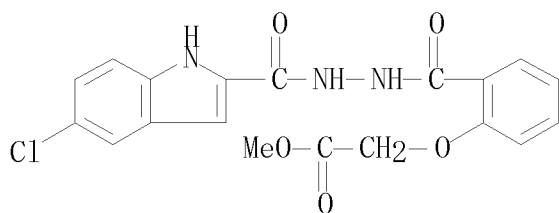
CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-[2-(acetamido)benzoyl]hydrazide (CA INDEX NAME)

RN 521961-11-5 CAPLUS

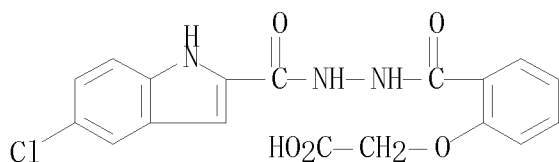
CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-(4-fluorobenzoyl)-1-methylhydrazide (CA INDEX NAME)

RN 521961-12-6 CAPLUS

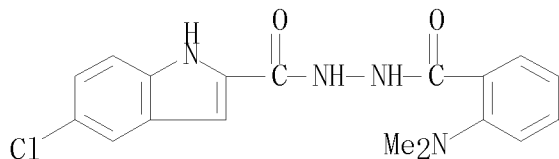
CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-[2-(2-methoxy-2-oxoethoxy)benzoyl]hydrazide (CA INDEX NAME)



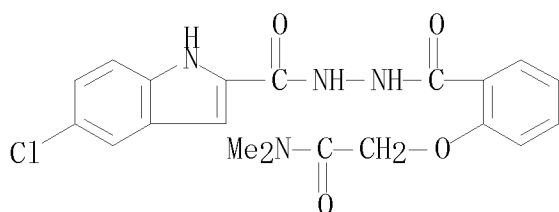
RN 521961-13-7 CAPLUS  
CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-[2-(carboxymethoxy)benzoyl]hydrazide (CA INDEX NAME)



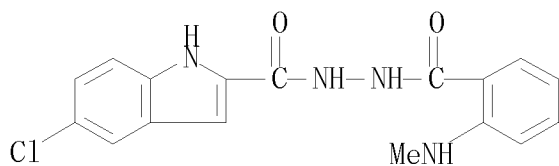
RN 521961-14-8 CAPLUS  
CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-[2-(dimethylamino)benzoyl]hydrazide (CA INDEX NAME)



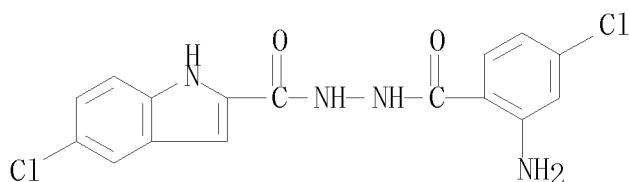
RN 521961-15-9 CAPLUS  
CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-[2-[2-(dimethylamino)-2-oxoethoxy]benzoyl]hydrazide (CA INDEX NAME)



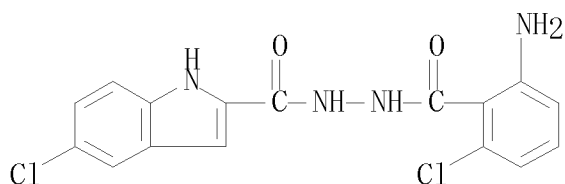
RN 521961-16-0 CAPLUS  
CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-[2-(methylamino)benzoyl]hydrazide (CA INDEX NAME)



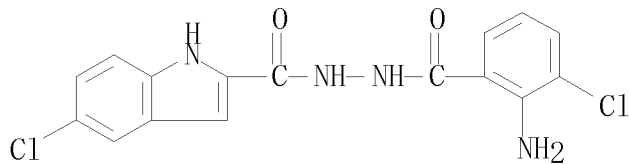
RN 521961-17-1 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-(2-amino-4-chlorobenzoyl)hydrazide (CA INDEX NAME)

RN 521961-18-2 CAPLUS

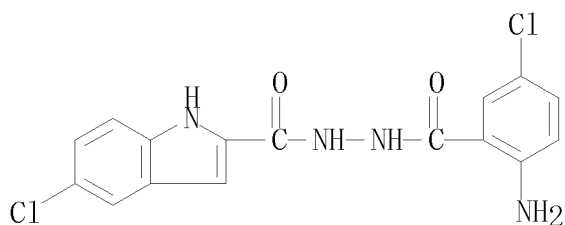
CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-(2-amino-6-chlorobenzoyl)hydrazide (CA INDEX NAME)

RN 521961-19-3 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-(2-amino-3-chlorobenzoyl)hydrazide (CA INDEX NAME)

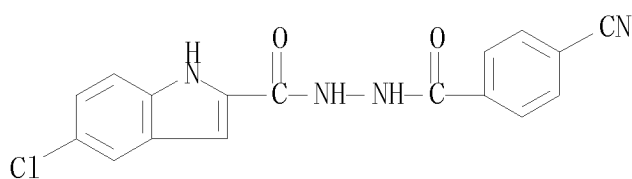
RN 521961-20-6 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-(2-amino-5-chlorobenzoyl)hydrazide (CA INDEX NAME)



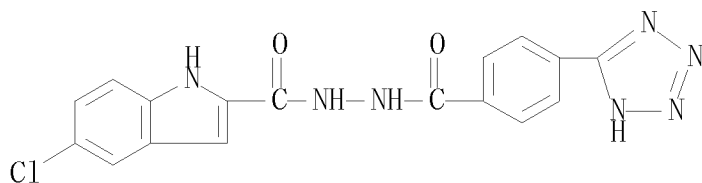
RN 521961-21-7 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-, 2-(4-cyanobenzoyl)hydrazide (CA INDEX NAME)



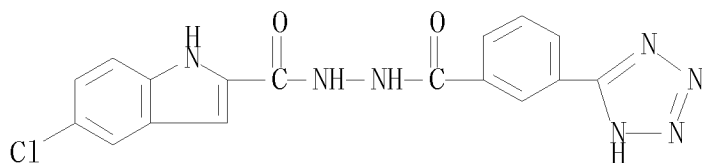
RN 521961-22-8 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-[4-(2H-tetrazol-5-yl)benzoyl]hydrazide (CA INDEX NAME)



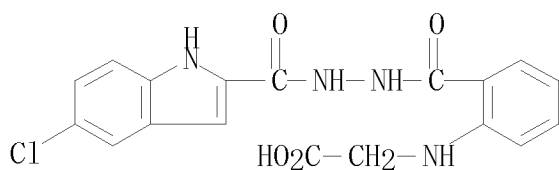
RN 521961-23-9 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-[3-(2H-tetrazol-5-yl)benzoyl]hydrazide (CA INDEX NAME)



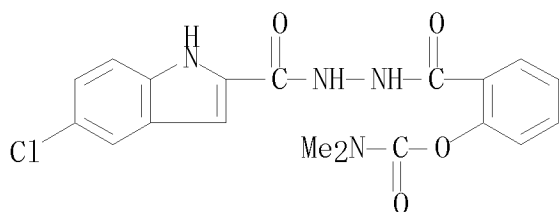
RN 521961-24-0 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-[2-[(carboxymethyl)amino]benzoyl]hydrazide (CA INDEX NAME)



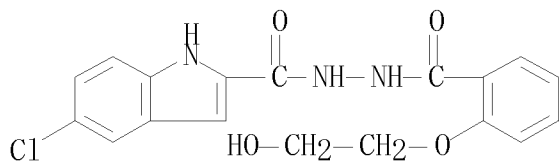
RN 521961-28-4 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-[2-[(dimethylamino)carbonyloxy]benzoyl]hydrazide (CA INDEX NAME)



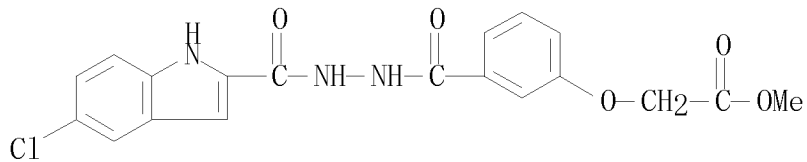
RN 521961-31-9 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-[2-(2-hydroxyethoxy)benzoyl]hydrazide (CA INDEX NAME)



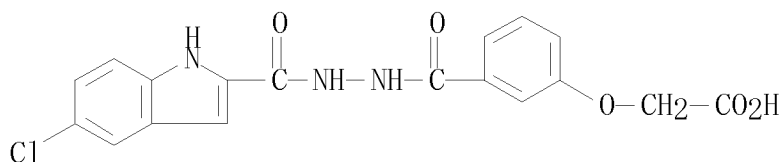
RN 521961-32-0 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-[3-(2-methoxy-2-oxoethoxy)benzoyl]hydrazide (CA INDEX NAME)

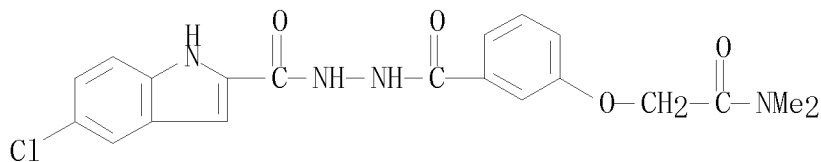


RN 521961-33-1 CAPLUS

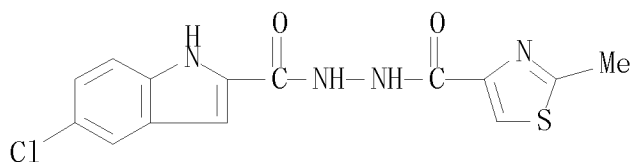
CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-[3-(carboxymethoxy)benzoyl]hydrazide (CA INDEX NAME)



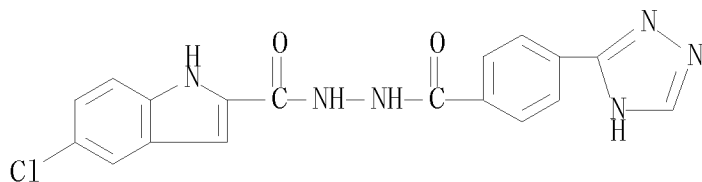
RN 521961-34-2 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-[3-[2-(dimethylamino)-2-oxoethoxy]benzoyl]hydrazide (CA INDEX NAME)

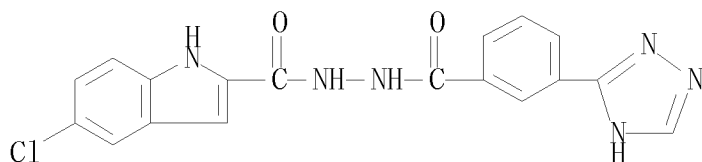
RN 521961-35-3 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-[(2-methyl-4-thiazolyl)carbonyl]hydrazide (CA INDEX NAME)

RN 521961-36-4 CAPLUS

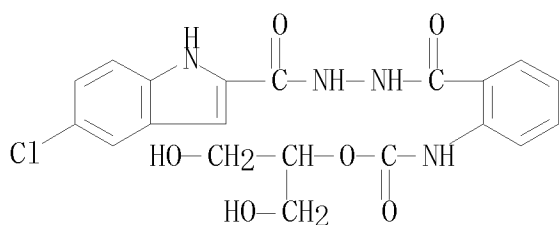
CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-[4-(1H-1,2,4-triazol-5-yl)benzoyl]hydrazide (CA INDEX NAME)

RN 521961-37-5 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-[3-(1H-1,2,4-triazol-5-yl)benzoyl]hydrazide (CA INDEX NAME)

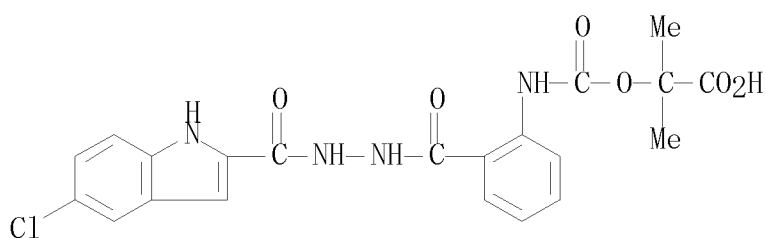
RN 521961-38-6 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-[2-[[[2-hydroxy-1-(hydroxymethyl)ethoxy]carbonyl]amino]benzoyl]hydrazide  
(CA INDEX NAME)



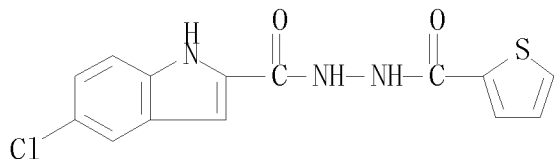
RN 521961-39-7 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-[2-[(1-carboxy-1-methylethoxy)carbonyl]amino]benzoyl]hydrazide (CA  
INDEX NAME)



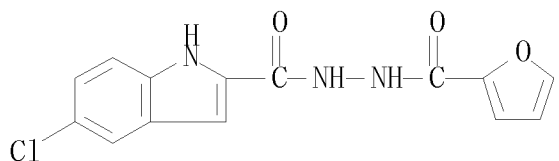
RN 521961-40-0 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-, 2-(2-thienylcarbonyl)hydrazide  
(CA INDEX NAME)



RN 521961-41-1 CAPLUS

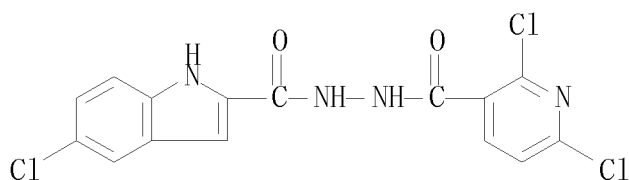
CN 1H-Indole-2-carboxylic acid, 5-chloro-, 2-(2-furanylcarbonyl)hydrazide  
(CA INDEX NAME)



RN 521961-42-2 CAPLUS

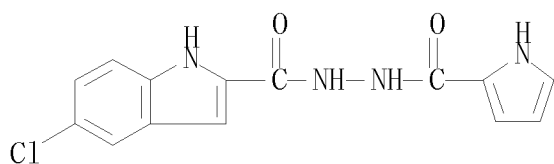
CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-[(2,6-dichloro-3-pyridinyl)carbonyl]hydrazide (CA INDEX NAME)





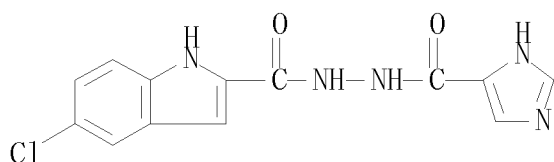
RN 521961-43-3 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-(1H-pyridin-2-ylcarbonyl)hydrazide (CA INDEX NAME)



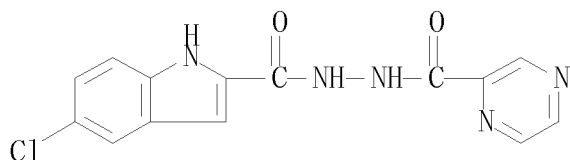
RN 521961-44-4 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-(1H-imidazol-5-ylcarbonyl)hydrazide (CA INDEX NAME)



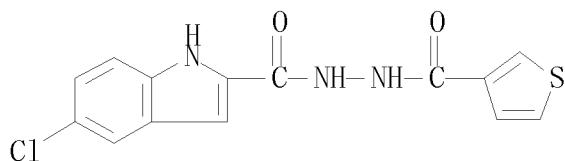
RN 521961-45-5 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-, 2-(2-pyrazinylcarbonyl)hydrazide  
(CA INDEX NAME)

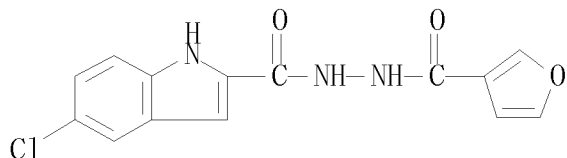


RN 521961-46-6 CAPLUS

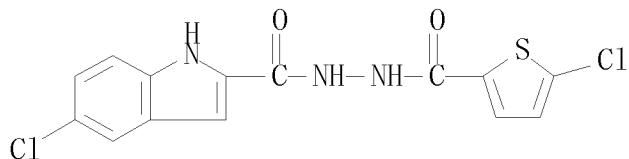
CN 1H-Indole-2-carboxylic acid, 5-chloro-, 2-(3-thienylcarbonyl)hydrazide  
(CA INDEX NAME)



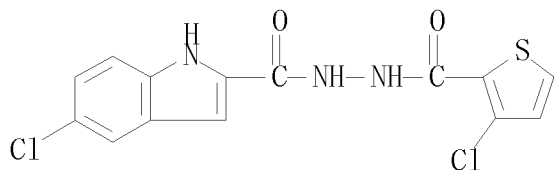
RN 521961-47-7 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-, 2-(3-furanylcarbonyl)hydrazide  
(CA INDEX NAME)

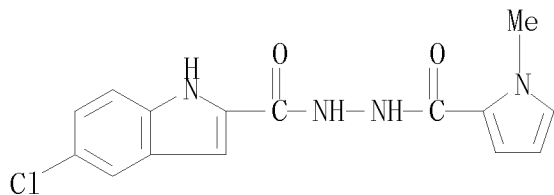
RN 521961-48-8 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-[(5-chloro-2-thienyl)carbonyl]hydrazide (CA INDEX NAME)

RN 521961-49-9 CAPLUS

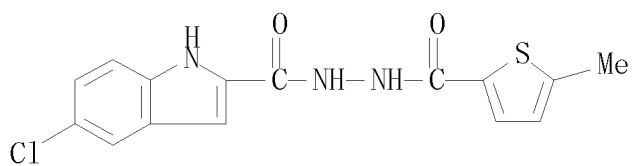
CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-[(3-chloro-2-thienyl)carbonyl]hydrazide (CA INDEX NAME)

RN 521961-50-2 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-[(1-methyl-1H-pyrrol-2-yl)carbonyl]hydrazide (CA INDEX NAME)

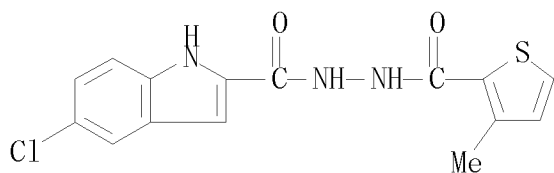
RN 521961-51-3 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-[(5-methyl-2-thienyl)carbonyl]hydrazide (CA INDEX NAME)



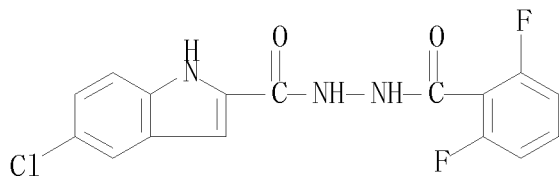
RN 521961-52-4 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-[(3-methyl-2-thienyl)carbonyl]hydrazide (CA INDEX NAME)



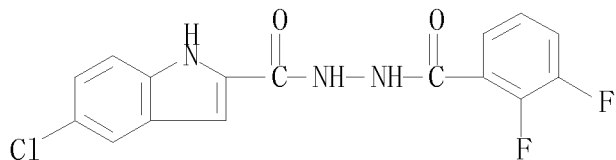
RN 521961-53-5 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-, 2-(2,6-difluorobenzoyl)hydrazide  
(CA INDEX NAME)



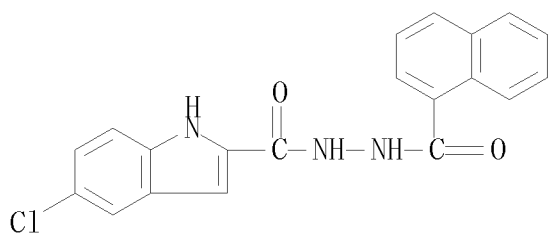
RN 521961-54-6 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-, 2-(2,3-difluorobenzoyl)hydrazide  
(CA INDEX NAME)

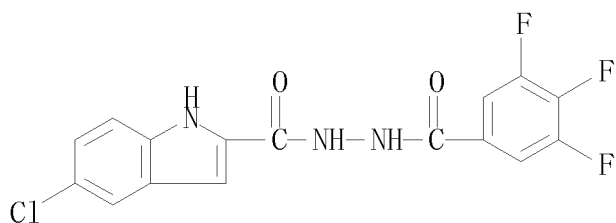


RN 521961-55-7 CAPLUS

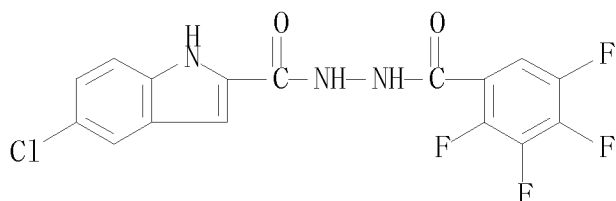
CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-(1-naphthalenylcarbonyl)hydrazide (CA INDEX NAME)



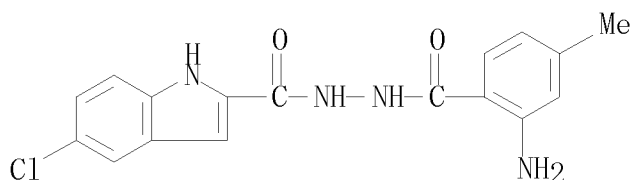
RN 521961-56-8 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-(3,4,5-trifluorobenzoyl)hydrazide (CA INDEX NAME)

RN 521961-57-9 CAPLUS

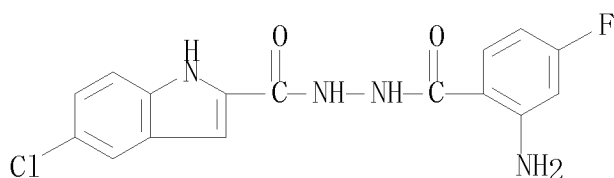
CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-(2,3,4,5-tetrafluorobenzoyl)hydrazide (CA INDEX NAME)

RN 521961-58-0 CAPLUS

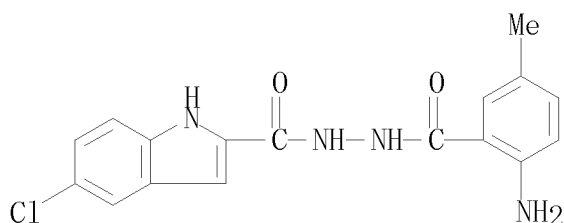
CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-(2-amino-4-methylbenzoyl)hydrazide (CA INDEX NAME)

RN 521961-59-1 CAPLUS

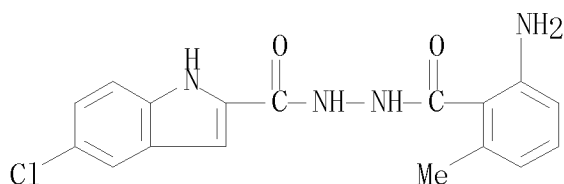
CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-(2-amino-4-fluorobenzoyl)hydrazide (CA INDEX NAME)



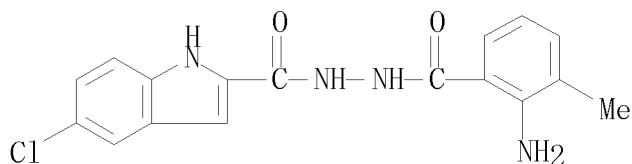
RN 521961-60-4 CAPLUS  
CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-(2-amino-5-methylbenzoyl)hydrazide (CA INDEX NAME)



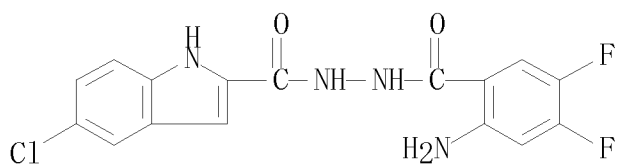
RN 521961-61-5 CAPLUS  
CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-(2-amino-6-methylbenzoyl)hydrazide (CA INDEX NAME)



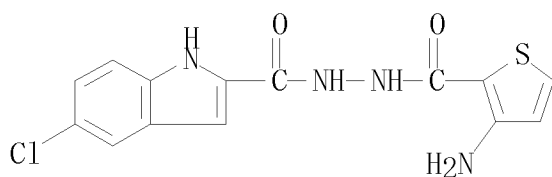
RN 521961-62-6 CAPLUS  
CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-(2-amino-3-methylbenzoyl)hydrazide (CA INDEX NAME)



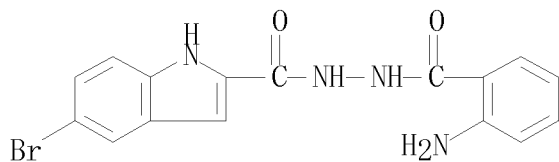
RN 521961-63-7 CAPLUS  
CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-(2-amino-4,5-difluorobenzoyl)hydrazide (CA INDEX NAME)



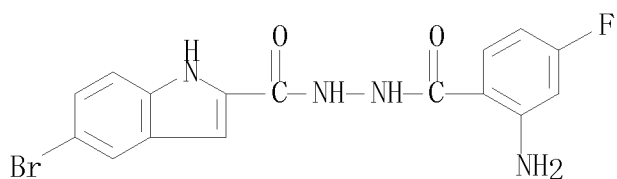
RN 521961-64-8 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-[(3-amino-2-thienyl)carbonyl]hydrazide (CA INDEX NAME)

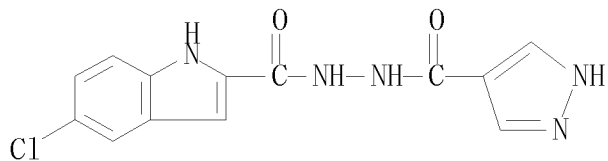
RN 521961-65-9 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-bromo-, 2-(2-aminobenzoyl)hydrazide (CA  
INDEX NAME)

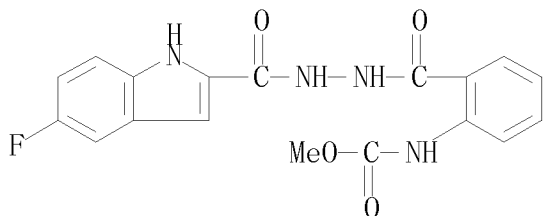
RN 521961-66-0 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-bromo-,  
2-(2-amino-4-fluorobenzoyl)hydrazide (CA INDEX NAME)

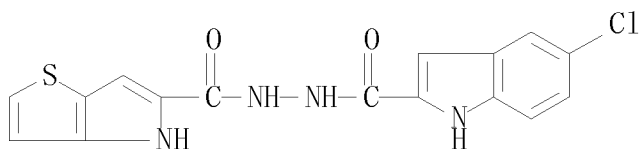
RN 521961-67-1 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-(1H-pyrazol-4-ylcarbonyl)hydrazide (CA INDEX NAME)

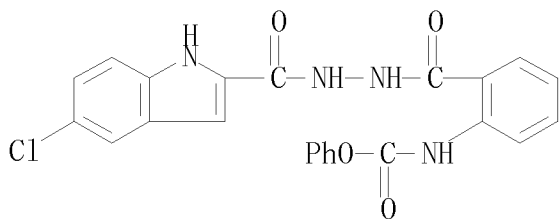
RN 521961-68-2 CAPLUS  
CN 1H-Indole-2-carboxylic acid, 5-fluoro-,  
2-[2-[(methoxycarbonyl)amino]benzoyl]hydrazide (CA INDEX NAME)



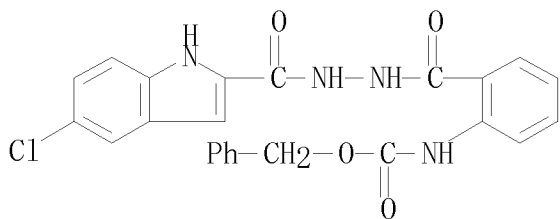
RN 521961-70-6 CAPLUS  
CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-(4H-thieno[3,2-b]pyrrol-5-ylcarbonyl)hydrazide (CA INDEX NAME)



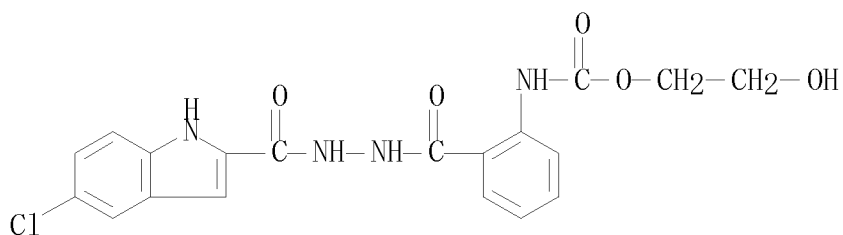
RN 521961-71-7 CAPLUS  
CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-[2-[(phenoxy)carbonyl]amino]benzoyl]hydrazide (CA INDEX NAME)



RN 521961-72-8 CAPLUS  
CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-[2-[[ (phenylmethoxy) carbonyl]amino]benzoyl]hydrazide (CA INDEX NAME)

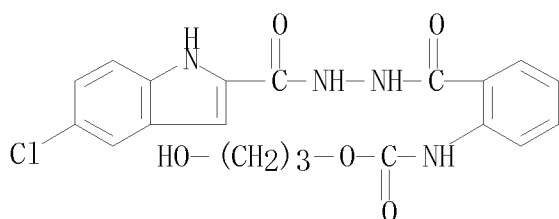


RN 521961-73-9 CAPLUS  
CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-[2-[[ (2-hydroxyethoxy) carbonyl]amino]benzoyl]hydrazide (CA INDEX NAME)



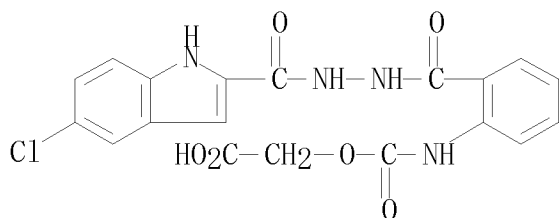
RN 521961-74-0 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-[2-[(3-hydroxypropoxy)carbonyl]amino]benzoyl]hydrazide (CA INDEX NAME)



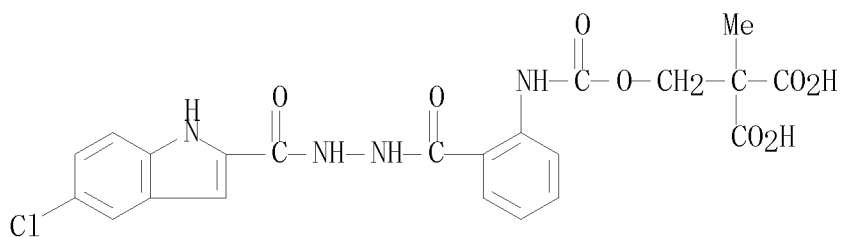
RN 521961-75-1 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-[2-[(carboxymethoxy)carbonyl]amino]benzoyl]hydrazide (CA INDEX NAME)



RN 521961-76-2 CAPLUS

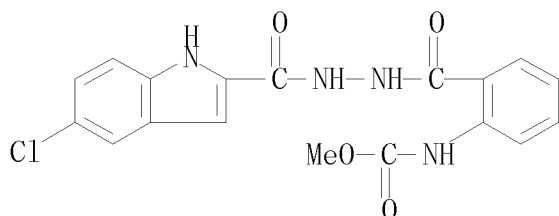
CN Propanedioic acid, 2-[[[[[2-[2-[(5-chloro-1H-indol-2-yl)carbonyl]hydrazinyl]carbonyl]phenyl]amino]carbonyl]oxy]methyl]-2-methyl-  
(CA INDEX NAME)



RN 521961-77-3 CAPLUS

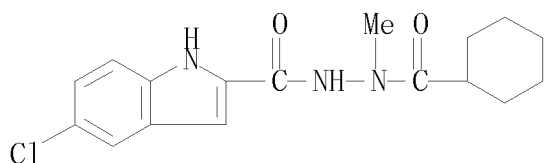
CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-[2-[(methoxycarbonyl)amino]benzoyl]hydrazide (CA INDEX NAME)





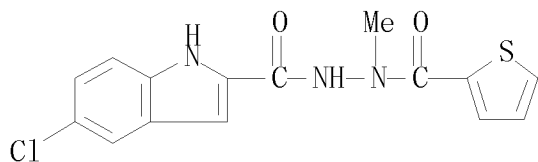
RN 521961-78-4 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-(cyclohexylcarbonyl)-2-methylhydrazide (CA INDEX NAME)



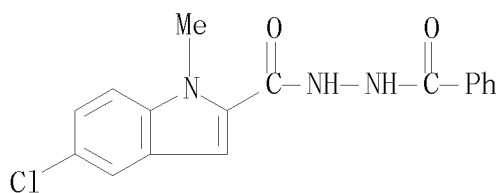
RN 521961-79-5 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-methyl-2-(2-thienylcarbonyl)hydrazide (CA INDEX NAME)



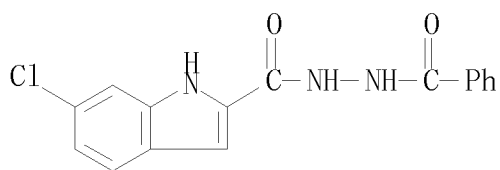
RN 521961-80-8 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-1-methyl-, 2-benzoylhydrazide (CA  
INDEX NAME)



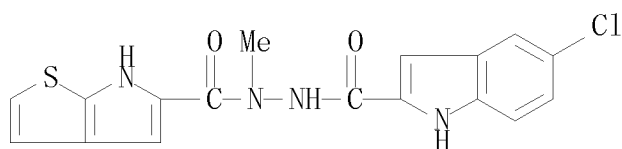
RN 521961-85-3 CAPLUS

CN 1H-Indole-2-carboxylic acid, 6-chloro-, 2-benzoylhydrazide (CA INDEX  
NAME)



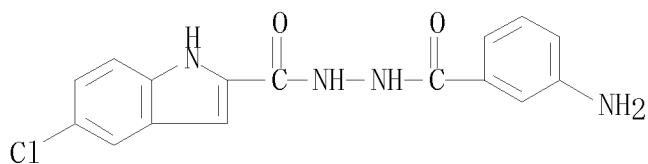
RN 521961-86-4 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-methyl-2-(6H-thieno[2,3-b]pyrrol-5-ylcarbonyl)hydrazide (CA INDEX NAME)



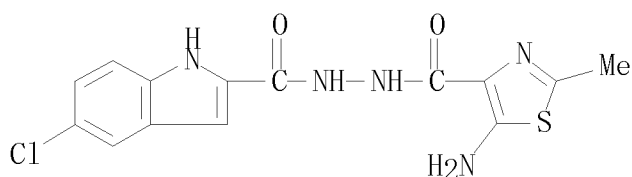
RN 521962-01-6 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-, 2-(3-aminobenzoyl)hydrazide (CA INDEX NAME)



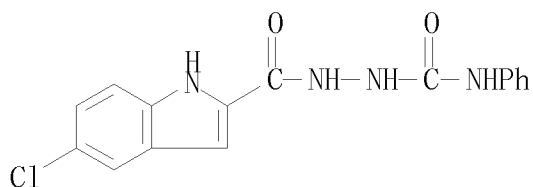
RN 521962-02-7 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-[(5-amino-2-methyl-4-thiazolyl)carbonyl]hydrazide (CA INDEX NAME)

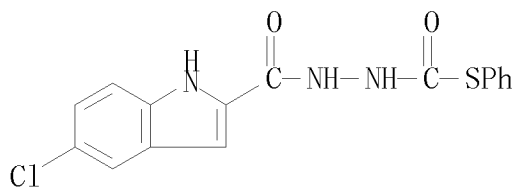


RN 521962-70-9 CAPLUS

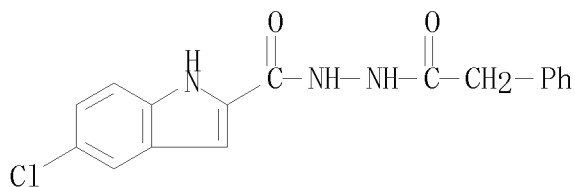
CN 1H-Indole-2-carboxylic acid, 5-chloro-, 2-[(phenylamino)carbonyl]hydrazide  
(CA INDEX NAME)



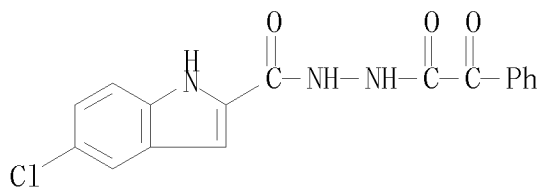
RN 521962-71-0 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-, 2-[(phenylthio)carbonyl]hydrazide  
(CA INDEX NAME)

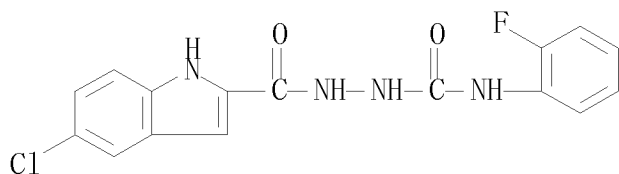
RN 521962-72-1 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-, 2-(2-phenylacetyl)hydrazide (CA  
INDEX NAME)

RN 521962-73-2 CAPLUS

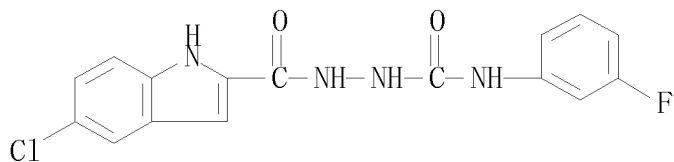
CN 1H-Indole-2-carboxylic acid, 5-chloro-, 2-(2-oxo-2-phenylacetyl)hydrazide  
(CA INDEX NAME)

RN 521962-74-3 CAPLUS

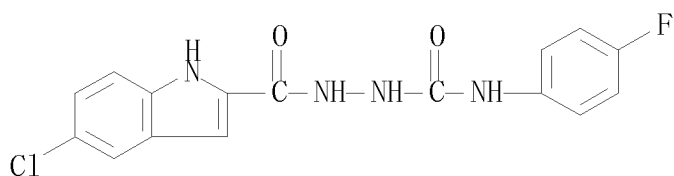
CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-[[ (2-fluorophenyl)amino]carbonyl]hydrazide (CA INDEX NAME)

RN 521962-75-4 CAPLUS

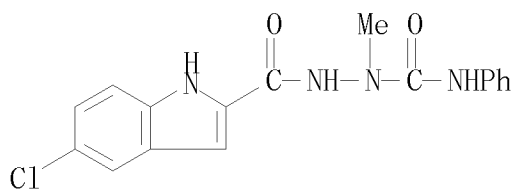
CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-[[ (3-fluorophenyl)amino]carbonyl]hydrazide (CA INDEX NAME)



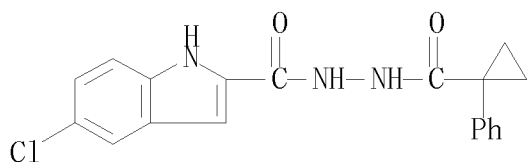
RN 521962-76-5 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro,  
2-[[4-fluorophenyl]amino]carbonylhydrazide (CA INDEX NAME)

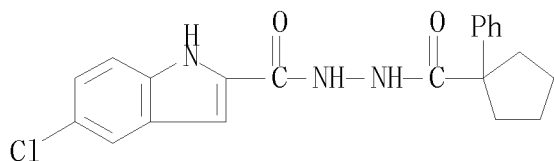
RN 521962-77-6 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro,  
2-methyl-2-[(phenylamino)carbonyl]hydrazide (CA INDEX NAME)

RN 521962-78-7 CAPLUS

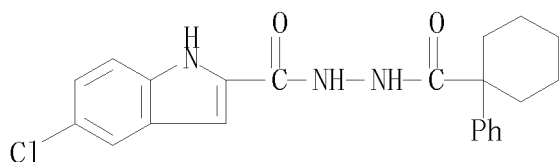
CN 1H-Indole-2-carboxylic acid, 5-chloro,  
2-[(1-phenylcyclopentyl)carbonyl]hydrazide (CA INDEX NAME)

RN 521962-79-8 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro,  
2-[(1-phenylcyclopentyl)carbonyl]hydrazide (CA INDEX NAME)

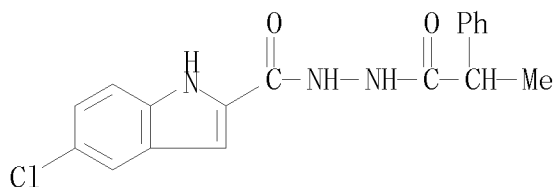
RN 521962-80-1 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-[(1-phenylcyclohexyl)carbonyl]hydrazide (CA INDEX NAME)



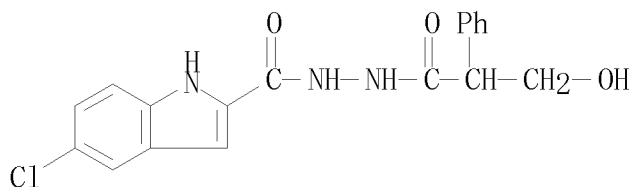
RN 521962-81-2 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-, 2-(1-oxo-2-phenylpropyl)hydrazide  
(CA INDEX NAME)



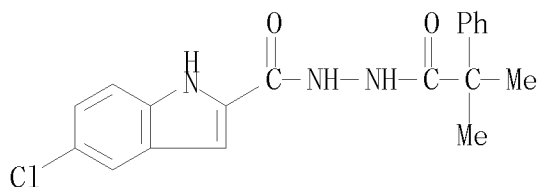
RN 521962-82-3 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-(3-hydroxy-1-oxo-2-phenylpropyl)hydrazide (CA INDEX NAME)



RN 521962-83-4 CAPLUS

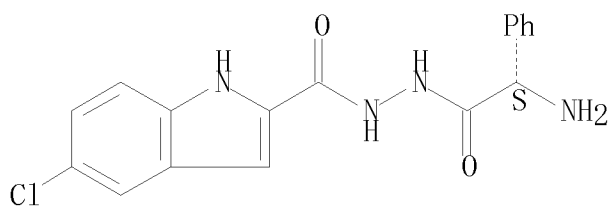
CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-(2-methyl-1-oxo-2-phenylpropyl)hydrazide (CA INDEX NAME)



RN 521962-84-5 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-[(2S)-aminophenylacetyl]hydrazide (9CI) (CA INDEX NAME)

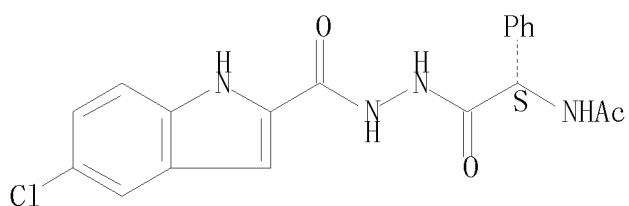
Absolute stereochemistry.



RN 521962-85-6 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-[(2S)-(acetylamino)phenylacetyl]hydrazide (9CI) (CA INDEX NAME)

Absolute stereochemistry.



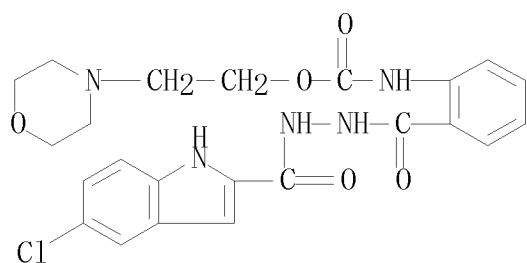
RN 521962-87-8 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-[[2-[[[2-(4-morpholinyl)ethoxy]carbonyl]amino]benzoyl]hydrazide,  
mono(4-methylbenzenesulfonate) (9CI) (CA INDEX NAME)

CM 1

CRN 521962-86-7

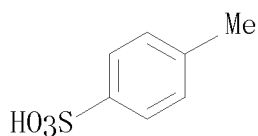
CMF C23 H24 Cl N5 O5



CM 2

CRN 104-15-4

CMF C7 H8 O3 S

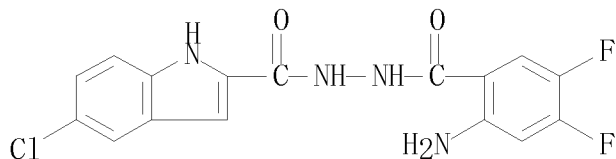


RN 521962-89-0 CAPLUS  
CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-(2-amino-4,5-difluorobenzoyl)hydrazide, benzenesulfonate (1:1) (CA  
INDEX NAME)

CM 1

CRN 521961-63-7

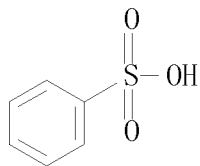
CMF C16 H11 Cl F2 N4 O2



CM 2

CRN 98-11-3

CMF C6 H6 O3 S

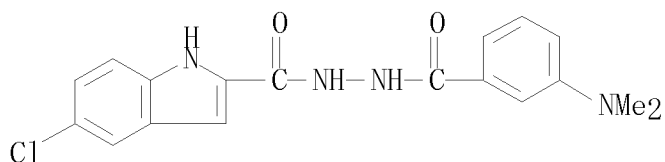


RN 521962-90-3 CAPLUS  
CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-[3-(dimethylamino)benzoyl]hydrazide, methanesulfonate (1:1) (CA INDEX  
NAME)

CM 1

CRN 521961-07-9

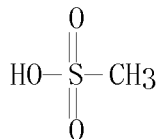
CMF C18 H17 Cl N4 O2



CM 2

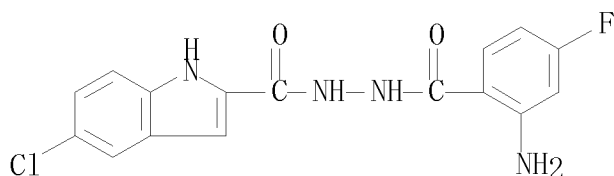
CRN 75-75-2

CMF C H4 O3 S



RN 521962-91-4 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-(2-amino-4-fluorobenzoyl)hydrazide, hydrochloride (1:1) (CA INDEX NAME)



● HCl

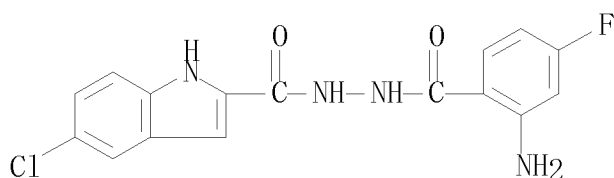
RN 521962-92-5 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-(2-amino-4-fluorobenzoyl)hydrazide, mono(4-methylbenzenesulfonate) (9CI)  
(CA INDEX NAME)

CM 1

CRN 521961-59-1

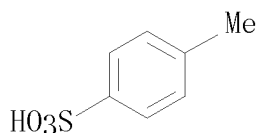
CMF C16 H12 Cl F N4 O2



CM 2

CRN 104-15-4

CMF C7 H8 O3 S



RN 521962-96-9 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-, 2-(3-aminobenzoyl)hydrazide,

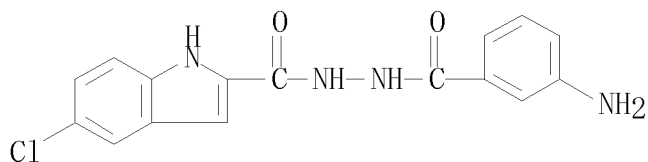


mono(4-methylbenzenesulfonate) (9CI) (CA INDEX NAME)

CM 1

CRN 521962-01-6

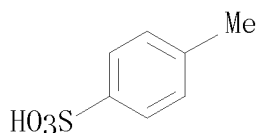
CMF C16 H13 Cl N4 O2



CM 2

CRN 104-15-4

CMF C7 H8 O3 S



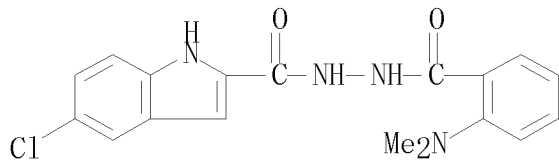
RN 521963-18-8 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-[2-(dimethylamino)benzoyl]hydrazide, mono(4-methylbenzenesulfonate)  
(9CI) (CA INDEX NAME)

CM 1

CRN 521961-14-8

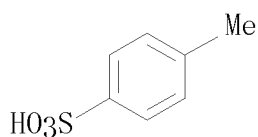
CMF C18 H17 Cl N4 O2



CM 2

CRN 104-15-4

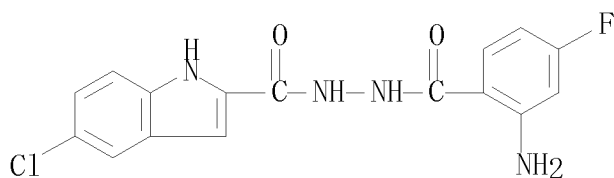
CMF C7 H8 O3 S



RN 521963-19-9 CAPLUS  
CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-(2-amino-4-fluorobenzoyl)hydrazide, methanesulfonate (1:1) (CA INDEX  
NAME)

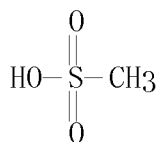
CM 1

CRN 521961-59-1  
CMF C16 H12 Cl F N4 O2



CM 2

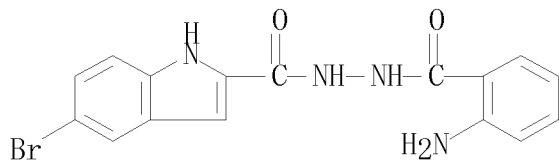
CRN 75-75-2  
CMF C H4 O3 S



RN 521963-20-2 CAPLUS  
CN 1H-Indole-2-carboxylic acid, 5-bromo-, 2-(2-aminobenzoyl)hydrazide,  
methanesulfonate (1:1) (CA INDEX NAME)

CM 1

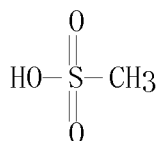
CRN 521961-65-9  
CMF C16 H13 Br N4 O2



CM 2

CRN 75-75-2

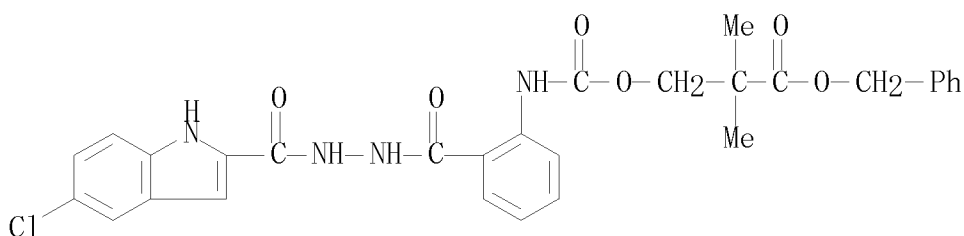
CMF C H4 03 S

IT 521963-24-6P 521963-27-9P 521963-28-0P521963-29-1P

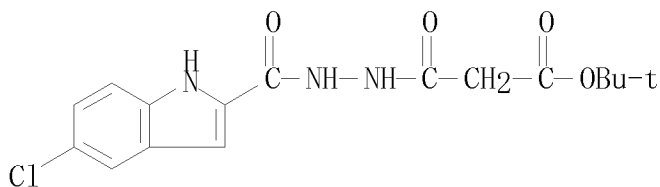
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of indole derivs. as inhibitors of human liver glycogen phosphorylase a)

RN 521963-24-6 CAPLUS

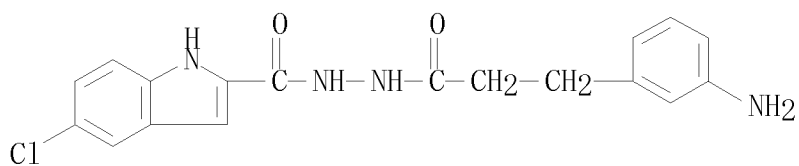
CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-[2-[[[2,2-dimethyl-3-oxo-3-(phenylmethoxy)propoxy]carbonyl]amino]benzoyl]hydrazide (CA INDEX NAME)

RN 521963-27-9 CAPLUS

CN Propanedioic acid, 1-(1,1-dimethylethyl) ester,  
3-[2-[(5-chloro-1H-indol-2-yl)carbonyl]hydrazide] (CA INDEX NAME)

RN 521963-28-0 CAPLUS

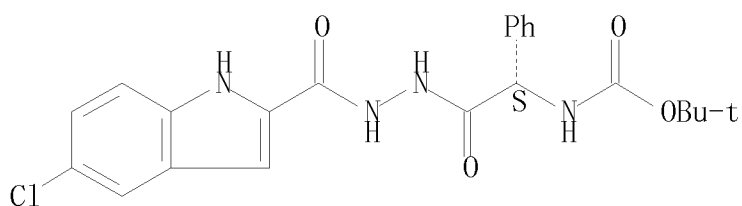
CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-[3-(3-aminophenyl)-1-oxopropyl]hydrazide (CA INDEX NAME)



RN 521963-29-1 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-,  
2-[(2S)-[(1,1-dimethylethoxy)carbonyl]amino]phenylacetyl]hydrazide (9CI)  
(CA INDEX NAME)

Absolute stereochemistry.

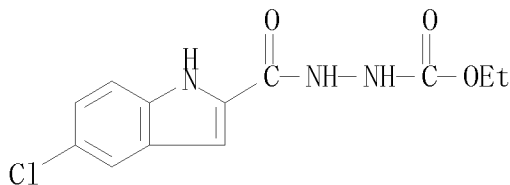


OS.CITING REF COUNT: 13 THERE ARE 13 CAPLUS RECORDS THAT CITE THIS  
RECORD (18 CITINGS)  
REFERENCE COUNT: 71 THERE ARE 71 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 7 OF 16 CAPLUS COPYRIGHT 2009 ACS on STN  
ACCESSION NUMBER: 2002:679012 CAPLUS  
DOCUMENT NUMBER: 138:271646  
TITLE: Synthesis and reactions of certain  
1,2,4-triazino[4,5-a]indoles  
AUTHOR(S): Ghoneim, K. M.; El-Fattah, B. Abd; Soliman, L. N.;  
El-Meligie, S.; El-Maaty, S. M. Abou  
CORPORATE SOURCE: Organic Chemistry Department, Faculty of Pharmacy,  
Cairo University, Cairo, Egypt  
SOURCE: Bulletin of the Faculty of Pharmacy (Cairo University)  
(2001), 39(2), 11-21  
CODEN: BFPHA8; ISSN: 1110-0931  
PUBLISHER: Cairo University, Faculty of Pharmacy  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
OTHER SOURCE(S): CASREACT 138:271646  
ABSTRACT:

Condensation of 5-chloro-2-hydrazinocarbonylindole (IV) with certain aldehydes, Et chloroformate, ethylorthoformate and some Et ortho alkanoates afforded VI-3, VII, IX and XI,2 resp. Further reaction of VI-3 with Br<sub>2</sub>/AcOH gave the bromo derivs. VII-3, while treatment of VII with KOH yielded VIII. Meanwhile, hydrazinolysis of VIII and XI,2 took place on heating with excess hydrazine. Reacting XI,2 with P<sub>2</sub>S<sub>5</sub> furnished the thioxo derivs. XII,2 which on treatment with hydrazine gave rise to the hydralazine analogs XIII,2. Interacting XIII,2 with some aromatic carbonyl compds. and tri-Et ortho alkanoates brought about XIII-16 and XVI-6 resp. Reacting XIII with formic acid and acetylacetone yielded XVI and XVII resp. Also, Treating XII2 with di-Et oxalate produced XVIII. Moreover, reacting XII with Et chloroacetate afforded the ester XIX which on reacting with hydrazine gave the hydrazide XX. Condensing the latter with different carbonyl compds. yielded XXI-4.

IT 87811-55-0P  
RL: SPN (Synthetic preparation); PREP (Preparation)  
(synthesis and reactions of 1,2,4-triazino[4,5-a]indole derivs.)  
RN 87811-55-0 CAPLUS  
CN 1H-Indole-2-carboxylic acid, 5-chloro-, 2-(ethoxycarbonyl)hydrazide (CA  
INDEX NAME)



REFERENCE COUNT: 17 THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 8 OF 16 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2000:780224 CAPLUS

DOCUMENT NUMBER: 134:71458

TITLE: Synthesis and pharmacological evaluation of  
3,5-disubstituted indole-2-[N $\beta$ -(substituted  
benzopyran-2'-one-3'-carboxyl)]carboxy hydrazides and  
2H-3-(various substituted  
indol-3'-yl)methyl-1,3-benzothiazoles

AUTHOR(S): Mruthyunjayaswamy, B. H. M.; Shanthaveerappa, B. K.

CORPORATE SOURCE: Department of Chemistry, Gulbarga University,  
Gulbarga, 585 106, IndiaSOURCE: Indian Journal of Chemistry, Section B: Organic  
Chemistry Including Medicinal Chemistry (2000),  
39B(6), 433-439

CODEN: IJSBDB; ISSN: 0376-4699

PUBLISHER: National Institute of Science Communication, CSIR

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 134:71458

ABSTRACT:

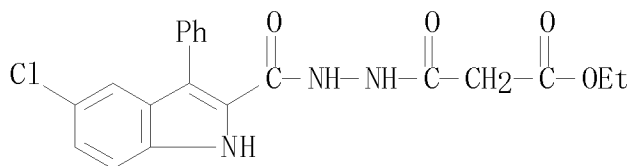
Equimolar quantities of 3,5-disubstituted indole-2-carboxy hydrazides and di-Et malonate when refluxed in dry xylene for 10h afford 3,5-disubstituted indole-2-[N $\beta$ -mono(carbethoxy malonyl)]carboxy hydrazides, which on reaction with Bz-substituted salicylaldehydes in ethanol under reflux conditions in the presence of catalytic amount of piperidine for 5hr give 3,5-disubstituted indole-2-[N $\beta$ -(substituted benzopyran-2'-one-3'-carboxyl)]carboxy hydrazides. 2-(Various substituted indol-3'-yl)methyliminothiophenols have been synthesized by reacting various substituted indole-3-carboxaldehydes and o-aminothiophenol. Methyliminothiophenols on reduction with sodium borohydride followed by treatment with formaldehyde yield the desired 2H-3-(various substituted indol-3'-yl)methyl-1,3-benzothiazoles. All the newly synthesized compds. have been tested for their antimicrobial activity against E.coli, S.aureus, P.vulgaris and A.niger. Also compds. have been screened for their analgesic and anticatatonic activity. Some of the compds. exhibit significant activities.

IT 316156-12-4P 316156-13-5P 316156-14-6P316156-17-9P 316156-18-0P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
(Reactant or reagent)  
(preparation and condensation reaction with salicylaldehydes)

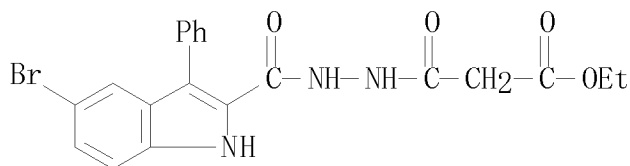
RN 316156-12-4 CAPLUS

CN Propanedioic acid, 1-ethyl ester, 3-[2-[(5-chloro-3-phenyl-1H-indol-2-yl)carbonyl]hydrazide] (CA INDEX NAME)



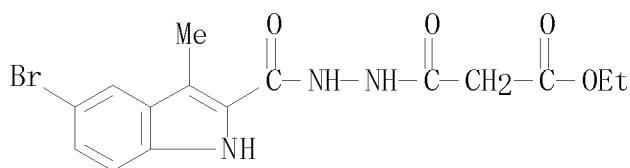
RN 316156-13-5 CAPLUS

CN Propanedioic acid, 1-ethyl ester, 3-[2-[(5-bromo-3-phenyl-1H-indol-2-yl)carbonyl]hydrazide] (CA INDEX NAME)



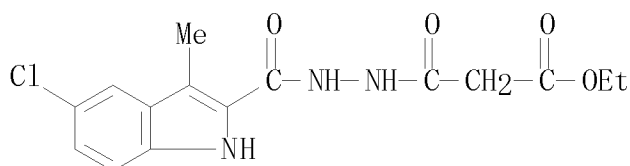
RN 316156-14-6 CAPLUS

CN Propanedioic acid, 1-ethyl ester, 3-[2-[(5-bromo-3-methyl-1H-indol-2-yl)carbonyl]hydrazide] (CA INDEX NAME)



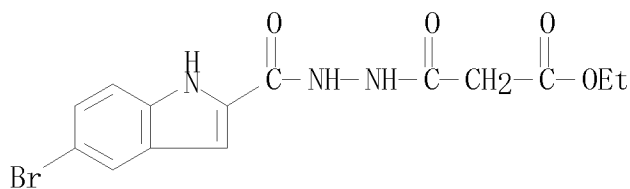
RN 316156-17-9 CAPLUS

CN Propanedioic acid, 1-ethyl ester, 3-[2-[(5-chloro-3-methyl-1H-indol-2-yl)carbonyl]hydrazide] (CA INDEX NAME)



RN 316156-18-0 CAPLUS

CN Propanedioic acid, 1-ethyl ester, 3-[2-[(5-bromo-1H-indol-2-yl)carbonyl]hydrazide] (CA INDEX NAME)



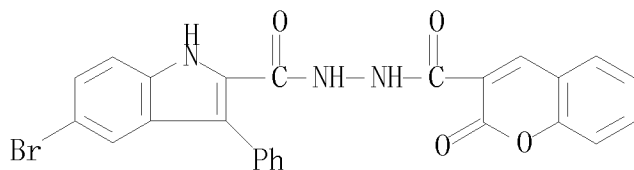
IT	<u>316156-25-9P</u>	<u>316156-26-0P</u>	<u>316156-27-1P</u>
	<u>316156-28-2P</u>	<u>316156-29-3P</u>	<u>316156-30-6P</u>
	<u>316156-31-7P</u>	<u>316156-32-8P</u>	<u>316156-33-9P</u>
	<u>316156-34-0P</u>	<u>316156-35-1P</u>	<u>316156-36-2P</u>
	<u>316156-37-3P</u>	<u>316156-38-4P</u>	<u>316156-39-5P</u>
	<u>316156-40-8P</u>	<u>316156-41-9P</u>	<u>316156-42-0P</u>
	<u>316156-43-1P</u>	<u>316156-44-2P</u>	

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)

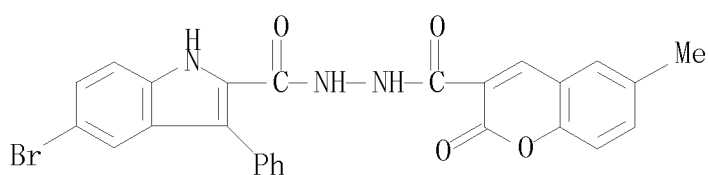
(synthesis and pharmacol. evaluation of disubstituted



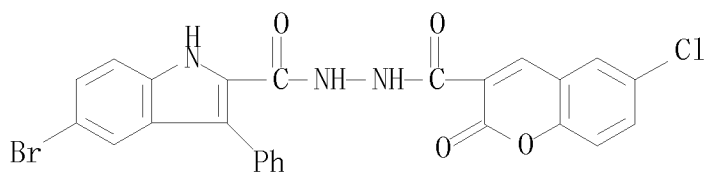




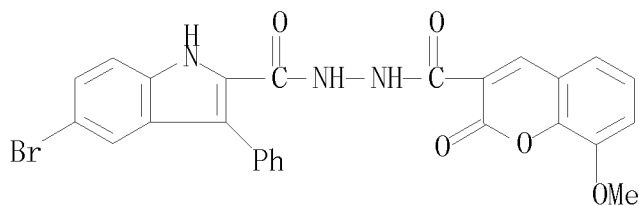
RN 316156-30-6 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-bromo-3-phenyl-,  
2-[(6-methyl-2-oxo-2H-1-benzopyran-3-yl)carbonyl]hydrazide (CA INDEX  
NAME)

RN 316156-31-7 CAPLUS

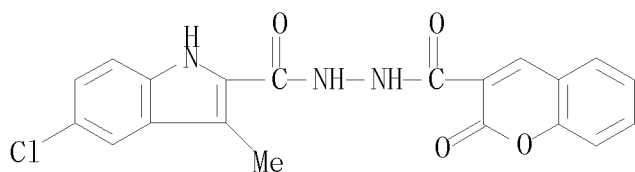
CN 1H-Indole-2-carboxylic acid, 5-bromo-3-phenyl-,  
2-[(6-chloro-2-oxo-2H-1-benzopyran-3-yl)carbonyl]hydrazide (CA INDEX  
NAME)

RN 316156-32-8 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-bromo-3-phenyl-,  
2-[(8-methoxy-2-oxo-2H-1-benzopyran-3-yl)carbonyl]hydrazide (CA INDEX  
NAME)

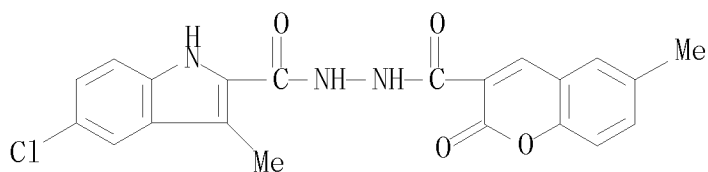
RN 316156-33-9 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-3-methyl-,  
2-[(2-oxo-2H-1-benzopyran-3-yl)carbonyl]hydrazide (CA INDEX NAME)



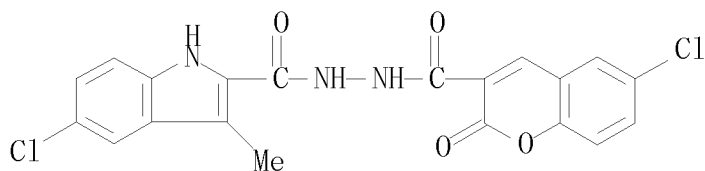
RN 316156-34-0 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-3-methyl-,  
2-[(6-methyl-2-oxo-2H-1-benzopyran-3-yl)carbonyl]hydrazide (CA INDEX  
NAME)



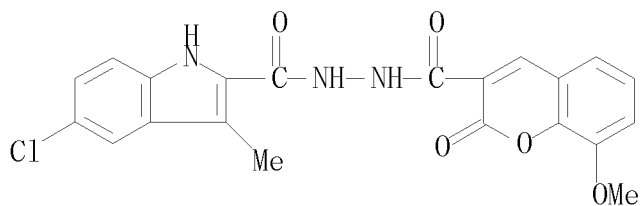
RN 316156-35-1 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-3-methyl-,  
2-[(6-chloro-2-oxo-2H-1-benzopyran-3-yl)carbonyl]hydrazide (CA INDEX  
NAME)



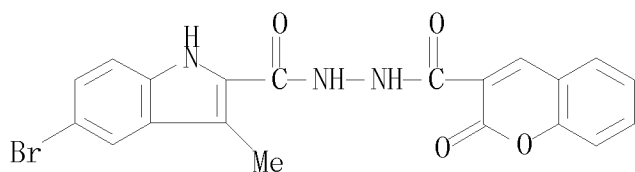
RN 316156-36-2 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-3-methyl-,  
2-[(8-methoxy-2-oxo-2H-1-benzopyran-3-yl)carbonyl]hydrazide (CA INDEX  
NAME)

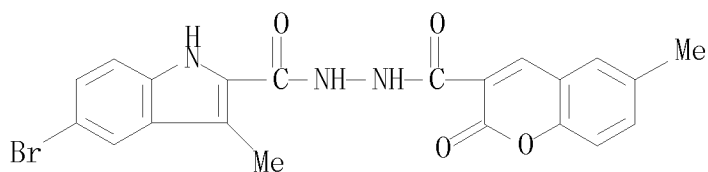


RN 316156-37-3 CAPLUS

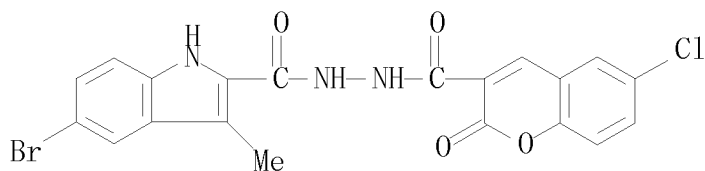
CN 1H-Indole-2-carboxylic acid, 5-bromo-3-methyl-,  
2-[(2-oxo-2H-1-benzopyran-3-yl)carbonyl]hydrazide (CA INDEX NAME)



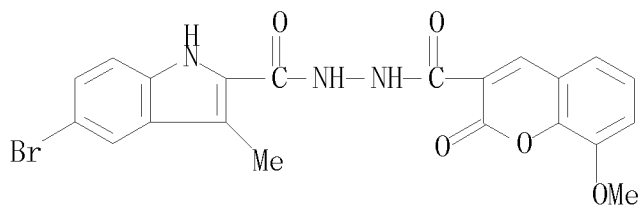
RN 316156-38-4 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-bromo-3-methyl,  
2-[(6-methyl-2-oxo-2H-1-benzopyran-3-yl)carbonyl]hydrazide (CA INDEX  
NAME)

RN 316156-39-5 CAPLUS

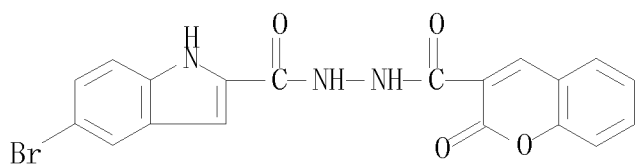
CN 1H-Indole-2-carboxylic acid, 5-bromo-3-methyl,  
2-[(6-chloro-2-oxo-2H-1-benzopyran-3-yl)carbonyl]hydrazide (CA INDEX  
NAME)

RN 316156-40-8 CAPLUS

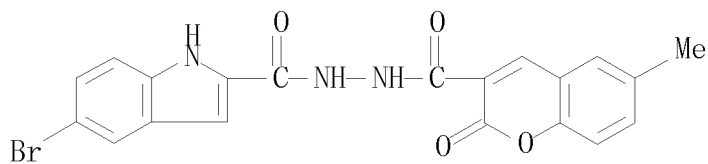
CN 1H-Indole-2-carboxylic acid, 5-bromo-3-methyl,  
2-[(8-methoxy-2-oxo-2H-1-benzopyran-3-yl)carbonyl]hydrazide (CA INDEX  
NAME)

RN 316156-41-9 CAPLUS

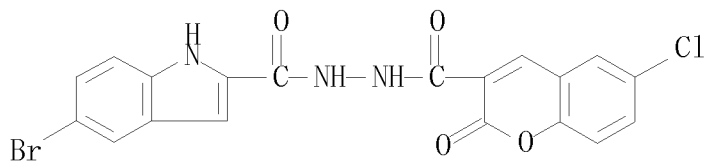
CN 1H-Indole-2-carboxylic acid, 5-bromo-,  
2-[(2-oxo-2H-1-benzopyran-3-yl)carbonyl]hydrazide (CA INDEX NAME)



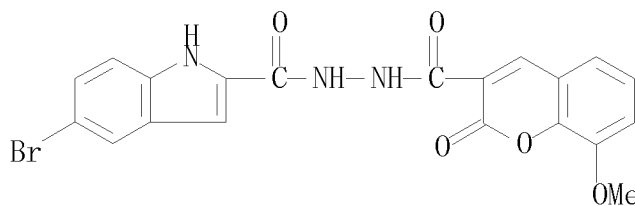
RN 316156-42-0 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-bromo-,  
2-[(6-methyl-2-oxo-2H-1-benzopyran-3-yl)carbonyl]hydrazide (CA INDEX  
NAME)

RN 316156-43-1 CAPLUS

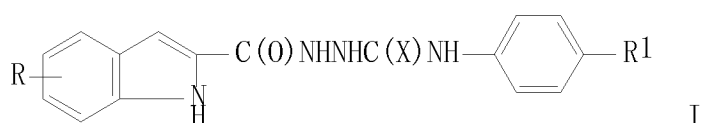
CN 1H-Indole-2-carboxylic acid, 5-bromo-,  
2-[(6-chloro-2-oxo-2H-1-benzopyran-3-yl)carbonyl]hydrazide (CA INDEX  
NAME)

RN 316156-44-2 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-bromo-,  
2-[(8-methoxy-2-oxo-2H-1-benzopyran-3-yl)carbonyl]hydrazide (CA INDEX  
NAME)OS. CITING REF COUNT: 4 THERE ARE 4 CAPLUS RECORDS THAT CITE THIS RECORD  
(4 CITINGS)REFERENCE COUNT: 30 THERE ARE 30 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 9 OF 16 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1994:482943 CAPLUS  
 DOCUMENT NUMBER: 121:82943  
 ORIGINAL REFERENCE NO.: 121:14897a, 14900a  
 TITLE: Synthesis and biological activities of indolyl  
 thiosemicarbazides and semicarbazides  
 AUTHOR(S): Hiremath, S. P.; Biradar, J. S.; Nazeer, S.;  
 Padashetty, N. S.  
 CORPORATE SOURCE: Dep. Chem., Gulbarga Univ., Gulbarga, India  
 SOURCE: Acta Ciencia Indica, Chemistry (1992), 18(4), 397-400  
 CODEN: ACICDV; ISSN: 0253-7338  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 GRAPHIC IMAGE:



ABSTRACT:

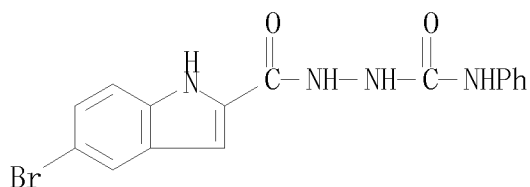
Substituted ethylindole-2-carboxylates were prepared by Fischer indolization. These esters were converted to hydrazides on reaction with hydrazine hydrate. Hydrazides were made to react with isothiocyanates and isocyanates to obtain thiosemicarbazides and semicarbazides (I; X = S, O; R = 5-Br, 5-MeO, etc.; R1 = H, Me, Cl, etc.). Very good microbicidal activity was observed with the compds. prepared

IT 156550-25-3P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)  
 (preparation and bactericidal and fungicidal activities of)

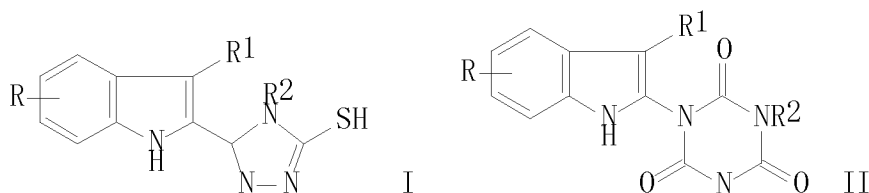
RN 156550-25-3 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-bromo-, 2-[(phenylamino)carbonyl]hydrazide  
 (CA INDEX NAME)



OS. CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD  
 (1 CITINGS)

L7 ANSWER 10 OF 16 CAPLUS COPYRIGHT 2009 ACS on STN  
ACCESSION NUMBER: 1994:164124 CAPLUS  
DOCUMENT NUMBER: 120:164124  
ORIGINAL REFERENCE NO.: 120:28955a, 28958a  
TITLE: Synthesis of biheterocycles containing indole nucleus  
AUTHOR(S): Hiremath, S. P.; Bajji, A. C.; Biradar, J. S.  
CORPORATE SOURCE: Dep. Chem., Gulbarga Univ., Gulbarga, 585 106, India  
SOURCE: Proceedings of the National Academy of Sciences,  
India, Section A: Physical Sciences (1992), 62(2),  
161-6  
CODEN: PAIAA3; ISSN: 0369-8203  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
GRAPHIC IMAGE:



## ABSTRACT:

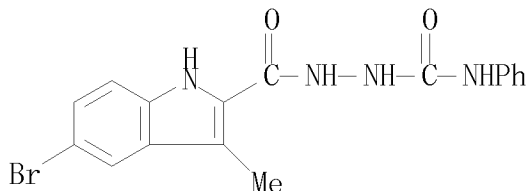
(Indolyl)triazolethioles I (R = alkyl, alkoxy; R1 = alkyl, phenyl; R2 = aryl) and (indolyl)pyrimidinetriones II (R = halo, alkyl, alkoxy; R2 = hydrogen, alkyl; R2 = aryl) were prepared and tested for antimicrobial activity.

IT 152586-53-3P

RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of, as intermediate for (indolyl)pyrimidinetrione  
(antimicrobial agent))

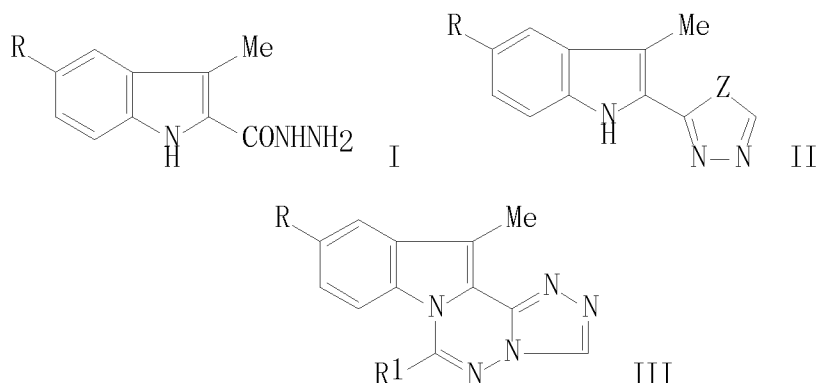
RN 152586-53-3 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-bromo-3-methyl-,  
2-[(phenylamino)carbonyl]hydrazide (CA INDEX NAME)



OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD  
(1 CITINGS)

L7 ANSWER 11 OF 16 CAPLUS COPYRIGHT 2009 ACS on STN  
ACCESSION NUMBER: 1990:478348 CAPLUS  
DOCUMENT NUMBER: 113:78348  
ORIGINAL REFERENCE NO.: 113:13259a, 13262a  
TITLE: Synthesis of 1,2,4-triazolo[3,4-f]-1,2,4-triazino[4,5-a]indoles  
AUTHOR(S): Hiremath, S. P.; Sekhar, K. Raja; Sonar, V. N.; Purohit, M. G.  
CORPORATE SOURCE: Dep. Chem., Gulbarga Univ., Gulbarga, 585 106, India  
SOURCE: Indian Journal of Chemistry, Section B: Organic Chemistry Including Medicinal Chemistry (1990), 29B(4), 372-5  
CODEN: IJSBDB; ISSN: 0376-4699  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
OTHER SOURCE(S): CASREACT 113:78348  
GRAPHIC IMAGE:



## ABSTRACT:

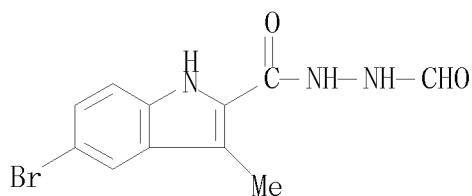
Substituted indole-2-carbohydrazides I (R = MeO, EtO, Me, Br, Cl) are formylated using formamide to get N $\beta$ -formylindole-2-carbohydrazides in good yields, which are cyclized using POCl<sub>3</sub> to the corresponding 1,3,4-oxadiazolylindoles II (Z = O). Treatment of II with hydrazine hydrate yields the resp. 1,3,4-triazolylindoles II (Z = NNH<sub>2</sub>), which on refluxing with formic acid or acetic acid afford 1,2,4-triazolo[3,4-f]-1,2,4-triazino[4,5-a]indoles III (R<sub>1</sub> = H, Me).

IT 128432-62-2P 128432-63-3P 128432-86-0P  
128714-67-0P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
(preparation and cyclization of)

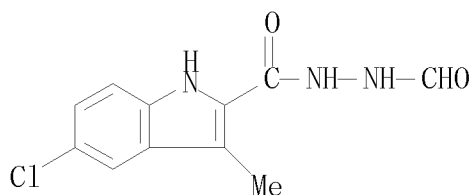
RN 128432-62-2 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-bromo-3-methyl-, 2-formylhydrazide (CA INDEX NAME)



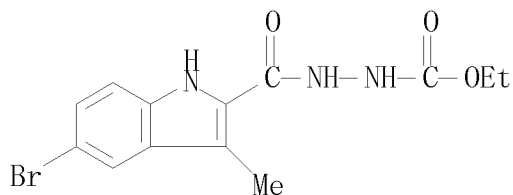
RN 128432-63-3 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-3-methyl-, 2-formylhydrazide (CA INDEX NAME)



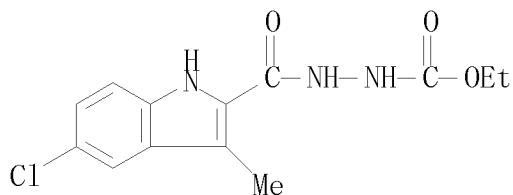
RN 128432-86-0 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-bromo-3-methyl-, 2-(ethoxycarbonyl)hydrazide (CA INDEX NAME)



RN 128714-67-0 CAPLUS

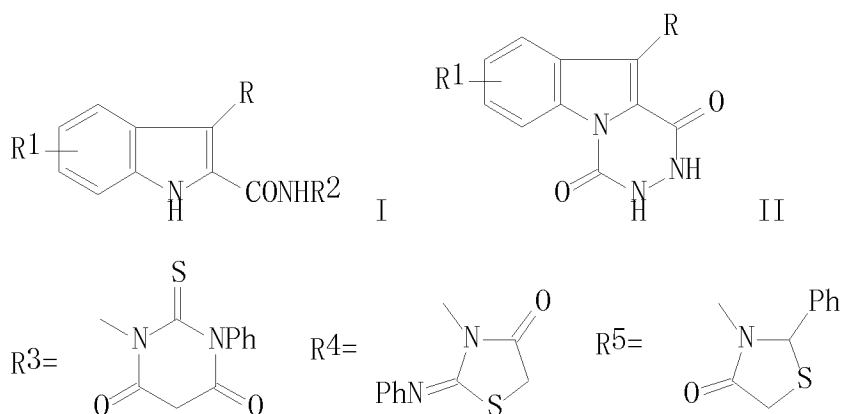
CN 1H-Indole-2-carboxylic acid, 5-chloro-3-methyl-, 2-(ethoxycarbonyl)hydrazide (CA INDEX NAME)



OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD  
(1 CITINGS)



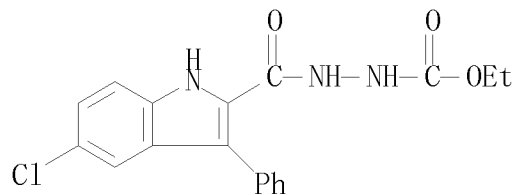
L7 ANSWER 12 OF 16 CAPLUS COPYRIGHT 2009 ACS on STN  
 ACCESSION NUMBER: 1989:457674 CAPLUS  
 DOCUMENT NUMBER: 111:57674  
 ORIGINAL REFERENCE NO.: 111:9791a, 9794a  
 TITLE: Synthesis of substituted pyrimidinediones,  
 thiazolidinones and triazinoindoles  
 AUTHOR(S): Hiremath, Shivayogi P.; Ullagaddi, Ashok; Purohit,  
 Muralidhar G.  
 CORPORATE SOURCE: Dep. Chem., Gulbarga Univ., Gulbarga, 585 106, India  
 SOURCE: Indian Journal of Chemistry, Section B: Organic  
 Chemistry Including Medicinal Chemistry (1988),  
 27B(12), 1102-5  
 CODEN: IJSBDB; ISSN: 0376-4699  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 OTHER SOURCE(S): CASREACT 111:57674  
 GRAPHIC IMAGE:



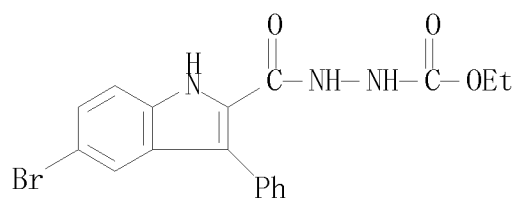
## ABSTRACT:

Indolecarbonylaminothioxopyrimidinediones I (R = Ph, R1 = H, 5-OMe, 5-Me, 5-Cl, 5-Br, 6,7-benzo, R2 = R3) were prepared from the resp. indolecarbonylaminothioureas I (R2 = NHCSNHPh) which in turn were obtained from the resp. indolecarbohydrazides I (R2 = NH2). I (R2 = NHCSNHPh) gave phenyliminothiazolidinones I (R2 = R4) when treated with ClCH2CO2H and AcONa in the presence of AcOH. The hydrazones I (R = Ph, R1 = H, 5-OMe, 5-Me, 5-Cl, 5-Br, 6,7-benzo, R2 = N:CHPh; R = Me, R1 = 5-Me, 5-OMe, 5-Cl, 5-Br, R2 = N:CHPh), obtained from I (R2 = NH2) and PhCHO, gave phenylthiazolidinones I (R2 = R5) when reacted with HSCH2CO2H in dry C6H6. I (R = Ph, R1 = H, 5-OMe, 5-Me, 5-Cl; 5-Br, 6,7-benzo, R2 = NH2) also reacted with ClCO2Et to give I (R2 = NHC02Et), which on cyclodehydration with POCl3 in dry C6H6 afforded triazine indole II (same R, R1) in moderate yield. The structures of all compds. were established on the basis of their spectral data and elemental analyses.

IT 121650-10-0P 121650-11-1P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (preparation and intramol. cyclocondensation of)  
 RN 121650-10-0 CAPLUS  
 CN 1H-Indole-2-carboxylic acid, 5-chloro-3-phenyl-,  
 2-(ethoxycarbonyl)hydrazide (CA INDEX NAME)

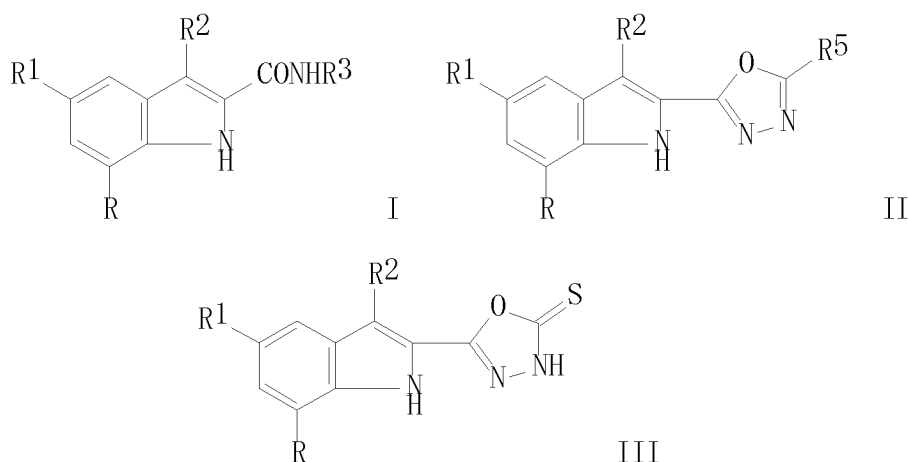


RN 121650-11-1 CAPLUS  
CN 1H-Indole-2-carboxylic acid, 5-bromo-3-phenyl-,  
2-(ethoxycarbonyl)hydrazide (CA INDEX NAME)



OS.CITING REF COUNT: 10 THERE ARE 10 CAPLUS RECORDS THAT CITE THIS  
RECORD (10 CITINGS)

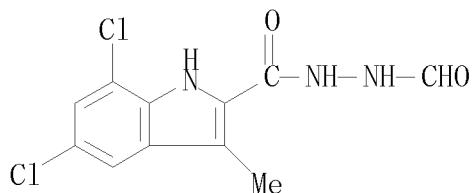
L7 ANSWER 13 OF 16 CAPLUS COPYRIGHT 2009 ACS on STN  
ACCESSION NUMBER: 1987:554287 CAPLUS  
DOCUMENT NUMBER: 107:154287  
ORIGINAL REFERENCE NO.: 107:24829a, 24832a  
TITLE: Synthesis of substituted  
2-(1',3',4'-oxadiazol-2'-yl)indoles  
AUTHOR(S): Sinnur, K. H.; Siddappa, S.; Hiremath, Shivayogi R.;  
Purohit, Muralidhar G.  
CORPORATE SOURCE: Dep. Chem., Gulbarga Univ., Gulbarga, 585 106, India  
SOURCE: Indian Journal of Chemistry, Section B: Organic  
Chemistry Including Medicinal Chemistry (1986),  
25B(7), 716-20  
CODEN: IJSBDB; ISSN: 0376-4699  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
OTHER SOURCE(S): CASREACT 107:154287  
GRAPHIC IMAGE:



## ABSTRACT:

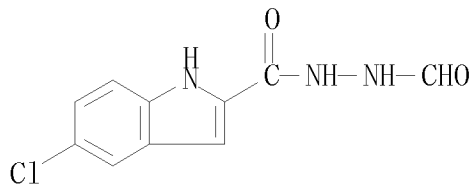
The indole derivs. I (R = H, Cl, Br; R1 = Me, Cl, PhCH<sub>2</sub>O; R2 = H, Me; R3 = N:CHR<sub>4</sub>; R<sub>4</sub> = Et, Ph, 4-MeOC<sub>6</sub>H<sub>4</sub>), II (R<sub>5</sub> = H, R<sub>4</sub>) and III were prepared from I (R<sub>3</sub> = NH<sub>2</sub>) and tested for their antibacterial activity.

IT 110448-42-5P 110448-43-6P  
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
(Reactant or reagent)  
(preparation and cyclization of)  
RN 110448-42-5 CAPLUS  
CN 1H-Indole-2-carboxylic acid, 5,7-dichloro-3-methyl-, 2-formylhydrazide  
(CA INDEX NAME)



RN 110448-43-6 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-, 2-formylhydrazide (CA INDEX NAME)



OS. CITING REF COUNT: 10 THERE ARE 10 CAPLUS RECORDS THAT CITE THIS  
RECORD (10 CITINGS)

L7 ANSWER 14 OF 16 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1983:594890 CAPLUS

DOCUMENT NUMBER: 99:194890

ORIGINAL REFERENCE NO.: 99:30003a, 30006a

TITLE: Synthesis of substituted  
2-(5'-oxo/thioxo-1',3',4'-oxadiazol-2'-yl)indoles and  
2-(5'-oxo/thioxo-1,3,4'-oxadiazol-2'-ylamino)indoles

AUTHOR(S): Hiremath, Shivayogi P.; Hiremath, Dakshayani M.;  
Purohit, Muralidhar G.

CORPORATE SOURCE: Dep. Chem., Gulbarga Univ., Gulbarga, 585 106, India

SOURCE: Indian Journal of Chemistry, Section B: Organic  
Chemistry Including Medicinal Chemistry (1983),  
22B(6), 571-6

CODEN: IJSBDB; ISSN: 0376-4699

DOCUMENT TYPE: Journal

LANGUAGE: English

ABSTRACT:

Indole-2-carboxylates and indole-2-carbamates react with N<sub>2</sub>H<sub>4</sub>-EtOH to give the corresponding hydrazides and semicarbazides. These compds. when heated under reflux with CS<sub>2</sub> and KOH give 2-(5-thioxo-1,3,4-oxodiazol-2-yl)indoles and 2-(5-thioxo-1,3,4-oxodiazol-2-ylamino)indoles resp. They also undergo condensation with ClC(=O)OEt to give ethoxy carbonylhydrazines which on heating under reflux with Ph<sub>2</sub>O give the corresponding 2-(5-oxo-1,3,4-oxodiazol-2-yl)indoles and 2-(5-oxo-1,3,4-oxadiazol-2'-ylamino)indoles. Et 2-phenylindole-3-carbamate, obtained from 3-aminoindole has been condensed with N<sub>2</sub>H<sub>4</sub> to give the semicarbazide which on reaction with ClC(=O)OEt and heating under reflux with Ph<sub>2</sub>O produces 3-(5-oxo-1,3,4-oxadiazol-2-ylamino)indole.

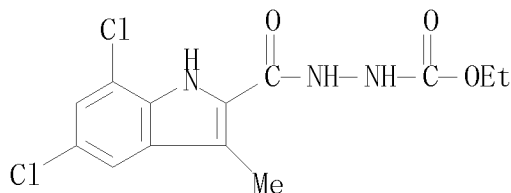
IT 87811-53-8P 87811-54-9P 87811-55-0P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation and cyclization of)

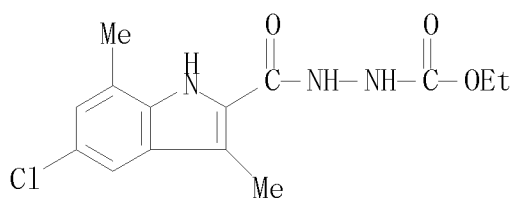
RN 87811-53-8 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5,7-dichloro-3-methyl-,  
2-(ethoxycarbonyl)hydrazide (CA INDEX NAME)



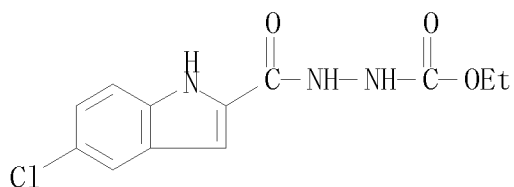
RN 87811-54-9 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-3,7-dimethyl-,  
2-(ethoxycarbonyl)hydrazide (CA INDEX NAME)



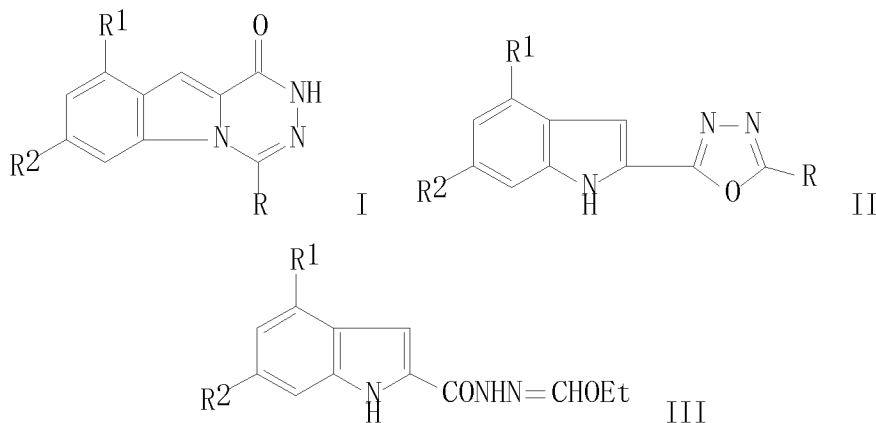
RN 87811-55-0 CAPLUS

CN 1H-Indole-2-carboxylic acid, 5-chloro-, 2-(ethoxycarbonyl)hydrazide (CA  
INDEX NAME)



OS.CITING REF COUNT: 7 THERE ARE 7 CAPLUS RECORDS THAT CITE THIS RECORD  
(7 CITINGS)

L7 ANSWER 15 OF 16 CAPLUS COPYRIGHT 2009 ACS on STN  
 ACCESSION NUMBER: 1978:105274 CAPLUS  
 DOCUMENT NUMBER: 88:105274  
 ORIGINAL REFERENCE NO.: 88:16517a, 16520a  
 TITLE: as-Triazino[4,5-a]indoles. II. Study of  
 as-triazinoindolones  
 AUTHOR(S): Robba, M.; Maume, D.; Lancelot, J. C.  
 CORPORATE SOURCE: Lab. Pharm. Chim., UER Sci. Pharm., Caen, Fr.  
 SOURCE: Journal of Heterocyclic Chemistry (1977), 14(8),  
 1365-8  
 CODEN: JHTCAD; ISSN: 0022-152X  
 DOCUMENT TYPE: Journal  
 LANGUAGE: French  
 OTHER SOURCE(S): CASREACT 88:105274  
 GRAPHIC IMAGE:



## ABSTRACT:

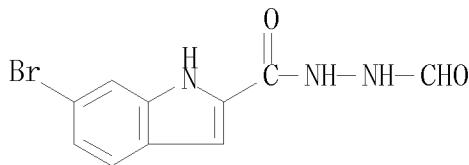
Triazinoindolones I (R = H, Me, CH<sub>2</sub>OMe, CH<sub>2</sub>OPr; R<sup>1</sup> = H, Cl, Br; R<sup>2</sup> = H, Br) were prepared by rearranging oxadiazolylindoles II with KOH or cyclizing III. 3,4-Dihydro-4-oxo-as-triazino[4,5-a]indole were similarly obtained by cyclizing 2-formylindole N-ethoxycarbonylhydrazone.

IT 64932-53-2

RL: RCT (Reactant); RACT (Reactant or reagent)  
 (reaction of, with orthoformate)

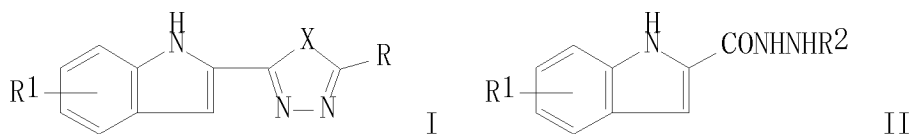
RN 64932-53-2 CAPLUS

CN 1H-Indole-2-carboxylic acid, 6-bromo-, 2-formylhydrazide (CA INDEX NAME)



OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD  
 (1 CITINGS)

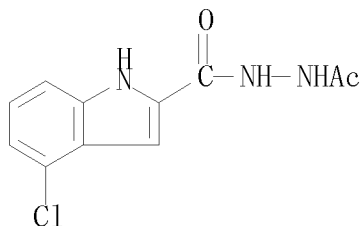
L7 ANSWER 16 OF 16 CAPLUS COPYRIGHT 2009 ACS on STN  
 ACCESSION NUMBER: 1978:22764 CAPLUS  
 DOCUMENT NUMBER: 88:22764  
 ORIGINAL REFERENCE NO.: 88:3653a, 3656a  
 TITLE: as-Triazino[4,5-a]indoles. I. Indole derivatives  
 AUTHOR(S): Robba, M.; Maume, D.; Lancelot, J. C.  
 CORPORATE SOURCE: Lab. Pharm. Chim., UER Sci. Pharm., Caen, Fr.  
 SOURCE: Bulletin de la Societe Chimique de France (1977),  
 (3-4, Pt. 2), 333-6  
 CODEN: BSCFAS; ISSN: 0037-8968  
 DOCUMENT TYPE: Journal  
 LANGUAGE: French  
 OTHER SOURCE(S): CASREACT 88:22764  
 GRAPHIC IMAGE:



## ABSTRACT:

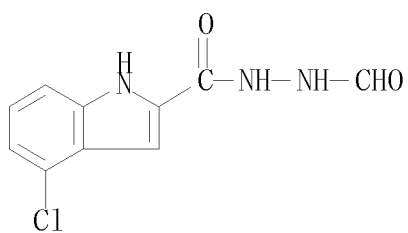
Oxadiazolyloindoles I (X = O; R = H, Me, CH<sub>2</sub>Cl, CHCl<sub>2</sub>, CCl<sub>3</sub>, Ph, R<sub>1</sub> = H; R = H, Me, R<sub>1</sub> = 4-Cl; R = H, R<sub>1</sub> = 4-Br, 6-Br) were obtained by acylating indoles II (R<sub>2</sub> = H) and cyclizing resultant II (R<sub>2</sub> = COR) with POCl<sub>3</sub>. I (R = H, Me, R<sub>1</sub> = H, X = S) were similarly obtained with P<sub>2</sub>S<sub>5</sub>.

IT 64932-63-4  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (cyclization of)  
 RN 64932-63-4 CAPLUS  
 CN 1H-Indole-2-carboxylic acid, 4-chloro-, 2-acetylhydrazide (CA INDEX NAME)



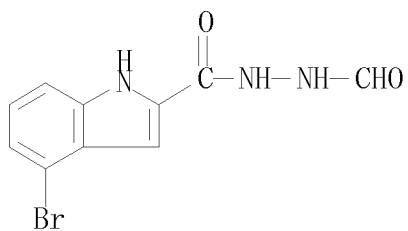
IT 64932-51-0P 64932-52-1P 64932-53-2P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
 (Reactant or reagent)  
 (preparation and cyclization of)  
 RN 64932-51-0 CAPLUS  
 CN 1H-Indole-2-carboxylic acid, 4-chloro-, 2-formylhydrazide (CA INDEX NAME)





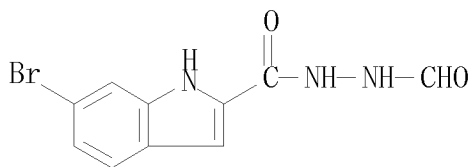
RN 64932-52-1 CAPLUS

CN 1H-Indole-2-carboxylic acid, 4-bromo-, 2-formylhydrazide (CA INDEX NAME)



RN 64932-53-2 CAPLUS

CN 1H-Indole-2-carboxylic acid, 6-bromo-, 2-formylhydrazide (CA INDEX NAME)



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(FILE 'HOME' ENTERED AT 10:26:31 ON 30 DEC 2009)

FILE 'REGISTRY' ENTERED AT 10:26:44 ON 30 DEC 2009

L1           STRUCTURE UPLOADED  
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L2           14 SEA SSS SAM L1  
L3           316 SEA SSS FUL L1  
              D QUE L3 STAT  
L4           207 SEA ABB=ON PLU=ON L3 AND ED<3/8/2005  
L5           182 SEA ABB=ON PLU=ON L4 AND CAPLUS/LC  
L6           25 SEA ABB=ON PLU=ON L4 NOT L5  
              D 1-25 IDE CAN

FILE 'CAPLUS' ENTERED AT 10:32:01 ON 30 DEC 2009

L7           16 SEA ABB=ON PLU=ON L3  
              D 1-16 IBIB IABS HITSTR

FILE HOME

FILE REGISTRY

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DICTIONARY FILE UPDATES: 28 DEC 2009 HIGHEST RN 1198837-82-9

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USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Oct 2009

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ENTRY	SESSION
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FULL ESTIMATED COST

SINCE FILE	TOTAL
ENTRY	SESSION
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